



STATE OF MICHIGAN TRANSMITTAL

TO:	NAME	TO:	NAME
1.	Tom Maki (G)	5.	
2.	WARREN	6.	
3.	Re LTV, Ferndale		
4.		8.	

RECEIVED
NOV - 4 1987
AIR QUALITY DIVISION

FOR ACTION AS INDICATED

- | | | |
|--------------------------------------|--|---|
| <input type="checkbox"/> SIGNATURE | <input type="checkbox"/> REPLY-MY SIGNATURE | <input type="checkbox"/> NOTE AND FORWARD |
| <input type="checkbox"/> APPROVAL | <input type="checkbox"/> REPLY-COPY TO ME | <input type="checkbox"/> NOTE AND FILE |
| <input type="checkbox"/> ACTION | <input type="checkbox"/> PLEASE SUMMARIZE | <input type="checkbox"/> RETURN |
| <input type="checkbox"/> COMMENTS | <input type="checkbox"/> PLEASE INVESTIGATE | <input type="checkbox"/> PLEASE PHONE ME |
| <input type="checkbox"/> INFORMATION | <input type="checkbox"/> FORWARDED PER REQUEST | <input type="checkbox"/> PLEASE SEE ME |

RECEIVED

NOV

AIR QUALITY DIVISION

REMARKS:

There is currently a bankruptcy action concerning LTV Corp. going on. I believe Ferndale is the only facility we are involved with. Are there any outstanding compliance programs here? Is there a need for any programs? Please respond by Nov 15.

FROM

Barb R.

DATE

10-30-87

FORM 10580

1 called Barb with answer on 11/10/87
mk

DEPARTMENT OF NATURAL RESOURCES
AIR QUALITY DIVISION
ACTIVITY REPORT

3-12-87

ESTABLISHMENT LTV Steel Co./Republic Steel Corp		COUNTY Oakland	ESTABLISHMENT NO. B-3716
EQUIPMENT LOCATION 965 Wanda Street		DISTRICT Northville	DATE MM DD YY 8 12 1987
CITY / TOWNSHIP Ferndale		STAFF M Khuri	TRAVEL TIME 1 hr.
CONTACT AND TITLE Ron Miller			TIME ON ACTIVITY 4 hrs.

ACTIVITY: <input type="checkbox"/> COMPLAINT RECEIVED <input type="checkbox"/> COMPLAINT INVESTIGATION <input checked="" type="checkbox"/> PARTIAL SCHEDULED INVESTIGATION <input checked="" type="checkbox"/> COMPLETE SCHEDULED INVESTIGATION			<input type="checkbox"/> SELF-INITIATED INVESTIGATION <input type="checkbox"/> CONSENT ORDER INVESTIGATION <input type="checkbox"/> SOURCE TEST MONITORING <input type="checkbox"/> VISIBLE EMISSIONS OBSERVATION <input type="checkbox"/> SAMPLE COLLECTED			<input type="checkbox"/> PHOTOS TAKEN <input type="checkbox"/> MEETING WITH COMPANY <input type="checkbox"/> TELEPHONE CONVERSATION <input type="checkbox"/> LETTER <input type="checkbox"/> OTHER		
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MAJOR SOURCE: <input checked="" type="checkbox"/> A-1 <input type="checkbox"/> A-2 <input type="checkbox"/> NESHAP <input type="checkbox"/> NSPS <input type="checkbox"/> CEM <input type="checkbox"/> PSD							
LEVEL OF INSPECTION: <input type="checkbox"/> LEVEL I <input checked="" type="checkbox"/> LEVEL II <input type="checkbox"/> LEVEL III							

INSPECTION RESULTS / REMARKS:		
SOURCE / CONTROL	PERMIT / RULE / ORDER	STATUS
Paint operation	Permit 35-85	C
Storage Silo	Rule 621 Permit 353-84	C

An inspection of the paint operation was conducted. The company operates 3 spray booths two of which are covered by permit to install 35-85. These two booths use water base paints and they are in compliance with Rule 621. I observed both in operation. The third booth uses toluene (VOC) base paint but not used much. the yearly paint usage is 600 gal/yr. and reduced with toluene at the ratio of 2 gal paint to 1 gal toluene. therefore their VOC emissions are less than 10 tons/yr and less than 2000 lbs/yr. therefore they are exempt from Rule 621 but the company will mail us a permit in a week by end of 21st of the month.

STATUS CODE: C = COMPLIANCE; NC = NONCOMPLIANCE; NO = NOT OPERATING; U = UNKNOWN

NAME M. Khuri DATE OF REPORT 8/14/87

SUPERVISOR'S INITIALS Q

DISTRIBUTION: White - Division Office; Canary - Staff Member; Pink - District Office

STATE OF MICHIGAN



NATURAL RESOURCES COMMISSION

THOMAS J. ANDERSON
MARLENE J. FLUHARTY
STEPHEN V. MONSMA
O. STEWART MYERS
DAVID D. OLSON
RAYMOND POUPORE
HARRY H. WHITELEY

JAMES J. BLANCHARD, Governor

DEPARTMENT OF NATURAL RESOURCES

~~XXXXXXXXXXXX~~

Gordon E. Guyer, Director

SOUTHEAST MICHIGAN FIELD OFFICE

15500 Sheldon Road

Northville, Michigan 48167

July 9, 1986

Mr. Ron Miller
LTV STEEL COMPANY
965 Wanda Avenue
Ferndale, Michigan 48220

Dear Mr. Miller:

This letter is in reference to our visit of your plant on July 2, 1986 for the purpose of evaluating your paint operation for a Permit to Operate. At this time we were unable to determine compliance with conditions of Permit to Install #35-85 since the plant was not in operation at the time of the visit.

In order to proceed with the Permit to Operate evaluation, we need to observe the equipment in operation and we need either a paint sample or document to show that you are using compliance paint (water base paint).

The third spray booth that you operate is not covered by the permit you have for the two spray paint operations, therefore, I am requesting that you complete the enclosed application and return it to our Lansing office no later than July 20, 1986. The status of this spray booth is in violation of Rule 201 of the Michigan Air Pollution Control Commission rules as it was installed without first obtaining the required Permit to Install.

If you have any questions regarding these matters, please call this office.

Sincerely,

A handwritten signature in dark ink, appearing to read "Marwan A. Khuri".

Marwan A. Khuri, P.E.
Assistant District Engineer
Air Quality Division
(313) 459-1940

MAK/sh
Enclosures

B-3716

DEPARTMENT OF NATURAL RESOURCES
AIR QUALITY DIVISION

ACTIVITY REPORT

ESTABLISHMENT LTV STEEL CO. / Republic Steel Corp.		COUNTY Oakland	ESTABLISHMENT NO. B-3716	
EQUIPMENT LOCATION 965 Wanda Street		DISTRICT Northville	DATE	MM DD YY 7 / 2 / 86
CITY / TOWNSHIP Ferndale		STAFF M. Khuri	TRAVEL TIME 1 hr.	
CONTACT AND TITLE Ron Miller			TIME ON ACTIVITY 4 hrs.	

ACTIVITY: <input type="checkbox"/> COMPLAINT RECEIVED <input type="checkbox"/> COMPLAINT INVESTIGATION <input type="checkbox"/> PARTIAL SCHEDULED INVESTIGATION <input checked="" type="checkbox"/> COMPLETE SCHEDULED INVESTIGATION	<input type="checkbox"/> SELF-INITIATED INVESTIGATION <input type="checkbox"/> CONSENT ORDER INVESTIGATION <input type="checkbox"/> SOURCE TEST MONITORING <input type="checkbox"/> VISIBLE EMISSIONS OBSERVATION <input type="checkbox"/> SAMPLE COLLECTED	<input type="checkbox"/> PHOTOS TAKEN <input type="checkbox"/> MEETING WITH COMPANY <input type="checkbox"/> TELEPHONE CONVERSATION <input type="checkbox"/> LETTER <input type="checkbox"/> OTHER
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MAJOR SOURCE: ☒ A-1 ☐ A-2 ☐ NESHAP ☐ NSPS ☐ CEM ☐ PSD

LEVEL OF INSPECTION: ☐ LEVEL I ☒ LEVEL II ☐ LEVEL III

INSPECTION RESULTS / REMARKS:

<u>SOURCE / CONTROL</u>	<u>PERMIT / RULE / ORDER</u>	<u>STATUS</u>
Paint Operation	Permit # 35-85 R. 621	C
Storage Bin	Permit #353-84	

An inspection of the facility indicated that LTV Corp. operates 3 paint spray operations, two of which are used more than the third one.

The two spray operations are covered by permit application #35-85 and Rule 621.

This company has converted their paint system to use water base paint and thus they are in compliance with the permit condition and Rule 621.

At the time of inspection, the plant was down so another visit will be scheduled prior to recommending issuance of Permit to Operate #35-85.

The third spray booth is not used much and according to previous reports, it could be exempt since it may be under 10 tons per yr. of VOC & less than 2000 lb. VOC/mo.

I wrote a letter to LTV asking them to fill out a permit application for the third spray booth and thus a status of its exemption can be determined.

STATUS CODE: C = COMPLIANCE; NC = NONCOMPLIANCE; NO = NOT OPERATING; U = UNKNOWN

NAME

DATE OF REPORT

SUPERVISOR'S INITIALS

DISTRIBUTION: White - Division Office; Canary - Staff Member; Pink - District Office

AIR QUALITY DIVISION TRANSMITTAL

TO:

1 Deane

2 File

3 y.b. Mah

4

Bob has not seen this. Please follow up as appropriate and brief Bob on the status or make recommendations.

REMARKS:

FROM:

MAH

DATE:

LTV Steel Company



June 13, 1985

RECEIVED

JUN 17 1985

AIR QUALITY DIVISION

Larry F. Kertcher, Chief
Air Compliance Branch
Air Management Division
U. S. EPA, Region V
230 South Dearborn Street
Chicago, Illinois 60604

Robert P. Miller, Chief
Michigan Department of Natural Resources
Air Quality Division
Post Office Box 30028
Lansing, Michigan 48909

LTV Steel Tubular Products
Ferndale, Michigan

Gentlemen:

Enclosed is the information concerning the Ferndale plant which was requested in a letter dated April 23, 1985 to Mr. David H. Hoag, President of LTV Steel, and signed by Mr. Rothblatt for Mr. Kee.

If you have any questions on this matter, please call me (216-429-6536).

D. A. Woodring
Environmental Management Engineer
Environmental Control

DAW/fh

Attachment

0857a

bcc: J. Fulton
M. L. Harmon
W. L. West
T. A. Zalenski

U.S. ENVIRONMENTAL PROTECTION AGENCY

SURFACE COATING SUMMARY

One Copy Of This Form Must Be Filled Out For Each Coating Line

1. BUSINESS LICENCE NAME OF CORPORATION, COMPANY OR INDIVIDUAL OWNER: LTV STEEL TUBULAR PRODUCTS													
2. PLANT ADDRESS WHERE COATING OPERATION IS LOCATED: 965 WANDA FERNDALE MI 48220													
3. SOURCE DESCRIPTION (INCLUDING POLLUTION CONTROLS): EMT I. D. PAINT SPRAY MACHINE, COATING THE INSIDE OF ZINC PLATED STEEL CONDUIT TUBING. FILTERED EXHAUST STACK.													
4. SOURCE CLASSIFICATION (PAPER COATER, METAL FURNITURE, ETC.): METAL TUBING I.D. COATER													
5. COATING EQUIPMENT MANUFACTURER AND MODEL NUMBER: LTV STEEL IN-HOUSE DESIGN													
6. METHOD OF APPLICATION: <table border="0"> <tr> <td>SPRAY:</td> <td>DIP COAT.....<input type="checkbox"/></td> </tr> <tr> <td>AIR ATOMIZATION.....<input type="checkbox"/></td> <td>FLOW COAT.....<input type="checkbox"/></td> </tr> <tr> <td>PRESSURE ATOMIZATION.....<input checked="" type="checkbox"/></td> <td>ELECTRO COAT...<input type="checkbox"/></td> </tr> <tr> <td>HOT AIRLESS.....<input type="checkbox"/></td> <td>ROLL COAT.....<input type="checkbox"/> NUMBER OF COATING STATIONS <input type="checkbox"/></td> </tr> <tr> <td>ELECTROSTATIC.....<input type="checkbox"/> AIR <input type="checkbox"/> DISC <input type="checkbox"/></td> <td></td> </tr> <tr> <td>OTHER (IDENTIFY).....<input type="checkbox"/></td> <td></td> </tr> </table>		SPRAY:	DIP COAT..... <input type="checkbox"/>	AIR ATOMIZATION..... <input type="checkbox"/>	FLOW COAT..... <input type="checkbox"/>	PRESSURE ATOMIZATION..... <input checked="" type="checkbox"/>	ELECTRO COAT... <input type="checkbox"/>	HOT AIRLESS..... <input type="checkbox"/>	ROLL COAT..... <input type="checkbox"/> NUMBER OF COATING STATIONS <input type="checkbox"/>	ELECTROSTATIC..... <input type="checkbox"/> AIR <input type="checkbox"/> DISC <input type="checkbox"/>		OTHER (IDENTIFY)..... <input type="checkbox"/>	
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10. FOR EACH COATING PROVIDE:

Type Of Coating: **WATER BASE I.D. SLIPKOTE**
 Manufacturer: **AKZO COATINGS**
 Identification No.: **113LBU - 4105917**
 Annual Usage: **57,000 GALLONS/YEAR**
 Weight Per Gal.: **9.16 lb/GALLON**
 Weight Percent Solids: **25.8%**

Chemical Composition Of Volatiles:

(Chemical Names, Indicate If Wt. Or Vol. Percent)

AMMONIA < 0.5%; BUTYL CELLOSOLVE < 5%; ISOPROPYL ALCOHOL < 0.5%; XYLOL < 0.5%; ALL BY WEIGHT
 Solvent Thinner Ratio:
 (Gal. Thinner/Gal. Coating)

WATER AS NEEDED

11. FOR EACH THINNER PROVIDE:

Identification No.: **NOT THINNED**
 Manufacturer:
 Annual Usage:
 Chemical Composition:
 (Indicate If Wt. Or Vol. Percent)

6/10/85 J. FULTON

U.S. ENVIRONMENTAL PROTECTION AGENCY

SURFACE COATING SUMMARY

One Copy Of This Form Must Be Filled Out For Each Coating Line

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY OR INDIVIDUAL OWNER: LTV STEEL TUBULAR PRODUCTS																	
2. PLANT ADDRESS WHERE COATING OPERATION IS LOCATED: 965 WANDA FERRDALE MI 48220																	
3. SOURCE DESCRIPTION (INCLUDING POLLUTION CONTROLS): LENT I.D. PAINT SPRAY MACHINE, COATING THE INSIDE OF ZINC PLATED STEEL CONDUIT TUBING. FILTERED EXHAUST STACK																	
4. SOURCE CLASSIFICATION (PAPER COATER, METAL FURNITURE, ETC.): METAL TUBING I.D. COATER																	
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10. FOR EACH COATING PROVIDE:

Type Of Coating: **WATER BASE I.D. SLIPKOTE**
 Manufacturer: **AKZO COATINGS**
 Identification No.: **11BLW-41059A**
 Annual Usage: **15,000 GAL/YR**
 Weight Per Gal.: **9.16 lb/GALLON**
 Weight Percent Solids: **25.8%**

Chemical Composition Of Volatiles:
 (Chemical Names, Indicate If Wt. Or Vol. Percent)

AMMONIA 0.5%; BUTYL BENZYLACETATE 5.9%; ISOPROPYL ALCOHOL 0.5%; XYLOL 0.5%; ALL BY WEIGHT
 Solvent Thinner Ratio:
 (Gal. Thinner/Gal. Coating)

11. FOR EACH THINNER PROVIDE:

Identification No.:
 Manufacturer:
 Annual Usage:
 Chemical Composition:
 (Indicate If Wt. Or Vol. Percent)

6/10/85 J. FULTON

U.S. ENVIRONMENTAL PROTECTION AGENCY

SURFACE COATING SUMMARY

One Copy Of This Form Must Be Filled Out For Each Coating Line

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY OR INDIVIDUAL OWNER: LTV STEEL TUBULAR PRODUCTS													
2. PLANT ADDRESS WHERE COATING OPERATION IS LOCATED: 965 WANDA FERNDALE MI 48220													
3. SOURCE DESCRIPTION (INCLUDING POLLUTION CONTROLS): PIPE AND TUBE O.D. SPRAY COATER. SPRAYS HARD DRYING VARNISH ON O.D. OF STEEL PIPE & TUBE. FILTERED EXHAUST STACK.													
4. SOURCE CLASSIFICATION (PAPER COATER, METAL FURNITURE, ETC.): PIPE COATER													
5. COATING EQUIPMENT MANUFACTURER AND MODEL NUMBER: LTV STEEL IN-HOUSE DESIGN													
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ELECTROSTATIC..... <input type="checkbox"/>	NUMBER OF COATING STATIONS <input type="checkbox"/>												
OTHER (IDENTIFY)..... <input type="checkbox"/>													
7. BOOTH TYPE: BOOTH A.....FLOOR DRAFT <input type="checkbox"/> WALL DRAFT <input type="checkbox"/> OTHER <input type="checkbox"/> , CONVEYORIZED <input checked="" type="checkbox"/> BOOTH B.....FLOOR DRAFT <input type="checkbox"/> WALL DRAFT <input type="checkbox"/> OTHER <input type="checkbox"/> , CONVEYORIZED <input type="checkbox"/> BOOTH C.....FLOOR DRAFT <input type="checkbox"/> WALL DRAFT <input type="checkbox"/> OTHER <input type="checkbox"/> , CONVEYORIZED <input type="checkbox"/> BOOTH D.....FLOOR DRAFT <input type="checkbox"/> WALL DRAFT <input type="checkbox"/> OTHER <input type="checkbox"/> , CONVEYORIZED <input type="checkbox"/>													
8. DISPOSITION OF COATED ITEMS: AIR DRY <input checked="" type="checkbox"/> OVEN BAKE <input type="checkbox"/> OTHER <input type="checkbox"/> TIME BETWEEN COATING AND BAKING.... DRY OR BAKE TIME AND TEMP.....													
9. OPERATIONAL DATA: TYPE OF ARTICLE COATED..... OPERATING SCHEDULE.....HOURS/DAY <input type="checkbox"/> DAYS/YEAR <input type="checkbox"/> 16 Hr/DAY 21 Days/YR													

10. FOR EACH COATING PROVIDE:

Type Of Coating: **CLEAR PIPE COAT**
 Manufacturer: **AKZO COATINGS**
 Identification No.: **10AHL-19878B**
 Annual Usage: **605 GAL/YR**
 Weight Per Gal.: **7.96 lb/GALLON**
 Weight Percent Solids: **27.6%**

Chemical Composition Of Volatiles:

(Chemical Names, Indicate If Wt. Or Vol. Percent)

NAPHTHA 25% ; TOLUOL 10% ; XYLOL 30% ; ALCOHOL 20.5%
 Solvent Thinner Ratio:
 (Gal. Thinner/Gal. Coating)

3 GALLON THINNER/5 GALLON COATING

11. FOR EACH THINNER PROVIDE:

Identification No.:

Manufacturer: **GAGE PRODUCTS**Annual Usage: **2600 lb/YR**

Chemical Composition:

(Indicate If Wt. Or Vol. Percent)

TOLUENE 100% BY WEIGHT

6/10/85 J. FULTON

APR 29 1985

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

David H. Hoag, President
LTV Steel Company, Inc.
LTV Steel Building
25 West Prospect
Cleveland, Ohio 44115

RECEIVED

MAY 8 1985

RECEIVED

APR 29 1985

Re: Steel and Tube Division
Ferndale, Michigan

AIR QUALITY DIVISION

AIR QUALITY DIVISION

Dear Mr. Hoag:

Under the provisions of the Clean Air Act (the Act), as amended, 42 U.S.C. Section 7401 et. seq., the Administrator of the United States Environmental Protection Agency (U.S. EPA) approved portions of an implementation plan submitted by the State of Michigan to attain and maintain the National Ambient Air Quality Standards for Ozone within the Metropolitan Detroit - Port Huron Intrastate Air Quality Control Region. The provisions so approved include Michigan Air Pollution Control Commission Regulations concerning the control of volatile organic compound emissions.

The information requested herein is necessary to determine the extent to which the Steel and Tube Division is in compliance with the applicable provisions of the Michigan State Implementation Plan. Accordingly, under the authority of Section 114 of the Act, 42 U.S.C. Section 7414, (a copy of which is enclosed), you are hereby required to report the information requested on the enclosed form for the twelve month period immediately preceding the date of this letter. In addition, please enclose a copy of the process flow diagram of your operation.

The information required by this letter shall be submitted to Larry F. Kertcher, Chief, Air Compliance Branch, Air Management Division, U.S. EPA, Region V, no later than 15 calendar days after the date of your receipt hereof. A copy of your reply should also be sent to Robert P. Miller, Chief, Michigan Department of Natural Resources, Air Quality Division, P.O. Box 30028, Lansing, Michigan 48909. Additionally, any change in the information provided pursuant to this request must be reported no later than five days after such change occurs. This continuous requirement shall remain in effect for a period of six months from the date of this letter.

Please note that, under the regulations appearing at 40 C.F.R. Section 2.100 et. seq., the Steel and Tube Division is entitled to assert a business confidentiality claim covering any portion of the submitted information which is not emission data or necessary to determine emission data. Failure to assert a claim makes the submitted information available to the public without further notice. Information subject to a business confidentiality claim may be available to the public only to the extent set forth in the above-cited regulations.

Any questions concerning this request may be directed to Sheri Bianchin or Kathy Kline of my staff, who may be contacted by telephone at (312) 353-2088.

Your cooperation in providing this information is appreciated.

Sincerely yours,

David Kee, Director
Air Management Division

Enclosures

cc: Robert P. Miller, Chief
Air Quality Division
Michigan Department of Natural Resources

Jack Isles, Plant Manager
LTV Steel Company, Inc.
Steel and Tube Division

Plant File

RECEIVED

APR 15 1985

AIR QUALITY DIVISION

APR 11 1985

Mr. Jack Isles, Plant Manager
LTV Steel Co./Republic Steel Corp. 965 Wanda Avenue
Ferndale, Michigan 48220

Dear Mr. Isles:

This letter is in reference to your Permit to Install application for two airless spray coating lines with two dry filter paint spray booths, located at 965 Wanda Avenue, Ferndale, Michigan. This application, identified as No. 35-85, has been evaluated and approved by the Air Quality Division, pursuant to the delegation of authority from the Michigan Air Pollution Control Commission.

This approval is based upon and subject to compliance with all administrative rules of the Commission and conditions stipulated in the attached supplement. Please review these conditions thoroughly so that you may plan for and take the actions necessary to ensure compliance with all of these conditions. Also note that Condition No. 1 requires you to apply, in writing, for a permit to operate within 30 days after completion of construction.

You are advised that contaminants discharged to the surface waters and/or groundwaters; materials disposed of on land; hazardous waste storage, treatment, and disposal; and resource recovery facilities must be approved by other divisions of the Environmental Protection Bureau, Department of Natural Resources. Additionally, your plant environment must be in compliance with all applicable requirements of the Departments of Public Health and Labor.

Approval of this permit does not constitute a waiver by the State of Michigan of its right to bring appropriate legal action against the applicant for failing to obtain the required permit prior to the commencement of construction.

Thank you for your cooperation. Please contact me if you have any questions regarding this permit.

Sincerely,

AK
Asad Khan, Engineer
Southeast Permit Unit
Air Quality Division
(517) 322-1333

AK:nm
Enclosure
cc: Tom Maki

THIS PERMIT FORMALIZES THE
company's Rule 621 Compliance
Program

SUPPLEMENT TO PERMIT NO. 35-85

**LTV Steel Company
Ferndale, Michigan**

APR 11 1965

GENERAL CONDITIONS

1. Rule 208(2) - Not more than 30 days after completion of the installation, Applicant shall apply, in writing, for a Permit to Operate. Completion of the installation is deemed to occur not later than commencement of a trial operation pursuant to Rule 201(4). Written application should be sent to: Chief, Permit Unit, Air Quality Division, Department of Natural Resources, P.O. Box 30028, Lansing, Michigan 48909.
2. Rule 201(4) - Trial operation of the equipment is permitted until the Michigan Air Pollution Control Commission acts upon the Permit to Operate. Operation of the equipment shall permanently cease upon denial of the Permit to Operate by the Commission.
3. Rule 208(3)(a) and (c) - Applicant shall demonstrate compliance with all Commission rules and with all general and special conditions of this permit prior to issuance of the Permit to Operate.
4. Rule 201 - Applicant shall not reconstruct, alter, modify, expand, or relocate this equipment unless plans, specifications, and an application for a Permit to Install are submitted to and approved by the Commission.
5. Rule 901 - Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property.
6. Rule 208(3)(b) - Operation of this equipment shall not interfere with the attainment or maintenance of the air quality standard for any air contaminant.
7. Operation of this equipment shall not result in significant deterioration of air quality.
8. Rule 912 - Applicant shall provide notification of any abnormal conditions or malfunction of process or control equipment covered by this application, resulting in emissions in violation of the Commission rules or of any permit conditions for more than two hours, to the District Engineer. Such notice shall be made as soon as reasonably possible, but not later than 9:00 a.m. of the next working day. Applicant shall also, within 10 days, submit to the District Engineer, a written detailed report, including probable causes, duration of violation, remedial action taken, and the steps which are being undertaken to prevent a reoccurrence.
9. Approval of this application does not preclude the Applicant from complying with any future regulations which may be promulgated under Act 348, P.A. 1965, as amended.
10. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
11. Act No. 53 - Applicant shall notify any public utility of any excavation, tunneling and discharging of explosives or demolition of buildings which may affect said utility's facilities in accordance with Act 53 of the Public Acts of 1974, being sections 460.701 to 460.718 of the Michigan Compiled Laws and comply with each of the requirements of that Act.

APR 11 1985

12. The restrictions and conditions of this Permit to Install shall apply to any person or legal entity which now or shall hereafter own or operate the equipment for which this Permit to Install is issued. Any new owner or operator shall immediately notify the Chief of the Permit Unit, in writing, of such change in ownership or principal operator status of this equipment.
13. Rule 201(5) - If the installation, reconstruction, relocation, or alteration of the equipment for which this permit has been approved has not commenced within, or has been interrupted for, 18 months, this permit shall become void unless otherwise authorized by the Commission.

LTV Steel Co./Republic Steel Corp.
Permit No. 35-85
Page 3

APR 11 1985

SPECIAL CONDITIONS

14. The volatile organic compound (VOC) emission rate from the operation shall not exceed 3.5 pounds per gallon of coating (minus water) as applied.
15. There shall be no visible emissions from the operation.
16. Applicant shall not operate the paint spray booth unless all exhaust filters are in place and operating properly.
17. Applicant shall not substitute any coatings for those described in this permit application which would result in an appreciable change in the quality or any appreciable increase in the quantity of the emission of an air contaminant without prior notification to and approval by the Air Quality Division.

AK:nm

STATE OF MICHIGAN
AIR USE PERMIT
APPLICATION

APPLICATION NO.

35-85

AIR QUALITY DIVISION

JAN 14 1985

FOR AUTHORITY TO INSTALL, CONSTRUCT, RECONSTRUCT, RELOCATE, OR ALTER,
AND OPERATE PROCESS, FUEL-BURNING, OR REFUSE-BURNING EQUIPMENT AND/
OR CONTROL EQUIPMENT (PERMITS TO INSTALL AND OPERATE ARE REQUIRED
BY ADMINISTRATIVE RULES PURSUANT TO ACT 348, P.A. 1965, AS AMENDED).

PERMIT SECTION

1. APPLICANT: Business License Name of Corporation, Partnership, Individual Owner, Government Agency

LTV Steel Co./Republic Steel Corp.

2. MAILING ADDRESS: Number and Street; City or Village; State; Zip Code

965 Wanda Ave Ferndale, Mi. 48220

3. EQUIPMENT OR PROCESS LOCATION: Number and Street; City, Village, or Township

965 Wanda Ave Ferndale

COUNTY

Oakland

ZIP CODE

48220

4. GENERAL NATURE OF BUSINESS:

Manufacture Steel Tubing and Electrogalvanized Conduit

5. EQUIPMENT OR PROCESS DESCRIPTION

See Attached Description

6. ESTIMATED COST:

Air Pollution Control Equipment \$

Total Project \$

7. ACTION AND TIMING.

ESTIMATED
STARTING DATE

ESTIMATED
COMPLETION DATE



Installation, construction, reconstruction, or alteration

Jan. 1, 1985



Relocation



Change of Ownership

8. NAME OF PRIOR OWNER AS IN ITEM 1 ABOVE, AND PRIOR AIR USE PERMIT NUMBER, IF ANY:

NAME

PERMIT NO.

9. NAME AND TITLE OF OWNER OR AUTHORIZED MEMBER OF FIRM

Name Jack Isles

Signature

Title Plant Manager

Date Jan. 8, 1985

Phone No. 313 398-1600

10. CONTACT PERSON IF DIFFERENT THAN ITEM 9

Name Jesse Fulton Plant Engineer

Phone No. 313 398-1600

11. DISPOSITION OF APPLICATION

FOR DNR USE ONLY

Receipt of all information
required by Rule 203

Permit to install approved * on

Permit to operate approved * on

Application/permit voided on

Application/permit denied on

APR 11 1985

Signature

Signature

Signature

Signature

* Subject to compliance with all Commission Rules and Conditions stipulated in the attached supplement



March 25, 1985

RECEIVED

MAR 27 1985

AIR QUALITY DIVISION

Air Quality Division
Michigan Department of Natural Resources
P. O. Box 30028
Lansing, Mi. 48909

ATT: Mr. Asad Khan

RE: Revised Material Consumption

Gentlemen:

Our 1984 Michigan Air Pollution Reporting Form (establishment number B3716, source identification number 006) reports 32,000 gallons per year of paint processed through the two covered spray booths. On January 1, 1985, we completed a change in our process which allows us to substitute a water based paint for the previously used solvent based paint. This change is covered by an air use permit application filed with your office on January 8, 1985.

The change to the water based material, plus projected increased production on one of the two reported spray booths will result in the following usage figures:

Material used	72,190 gallons per year
Material V.O.C. content	1.65 lb per gallon
Annual V.O.C. emission	59.6 tons per year
Material used per hour	13.3 gallons per hour
V.O.C. emission per hour	21.9 lb per hour

If there is any other information you require, please let me know.

Sincerely,

Jesse Fulton
Plant Engineer

cc: J. Isles
D. A. Woodring
Marwan Khuri, MDNR, Northville Office

B-3716

LTV Steel Company



The following statement was prepared by the LTV Steel legal department to answer questions involving the merger transaction which formed LTV Steel from Jones and Laughlin Steel, Incorporated, and Republic Steel Corporation.

"The transaction involved the merger of Republic Steel Corporation, a New Jersey corporation, into ACQCO Corporation, a New Jersey corporation and a wholly-owned subsidiary of the The LTV Corporation, a Delaware corporation headquartered in Dallas. As between the merged corporations, i.e., Republic and ACQCO, Republic is the surviving corporation and by virtue of the merger transaction it is now a wholly-owned subsidiary of The LTV Corporation.

"LTV Steel Company is a Delaware corporation and is authorized to act for Republic Steel Corporation, as well as for Jones and Laughlin Steel, Incorporated (also a wholly-owned subsidiary of The LTV Corporation) in all matters. In other words, Republic Steel Corporation and Jones and Laughlin Steel, Incorporated, both of which are wholly-owned subsidiary corporations of The LTV Corporation, are operated jointly by LTV Steel Company. The physical plant and equipment previously owned by Republic continues to be owned by Republic."

RECEIVED
JAN 16 1985
AIR QUALITY DIVISION

DEPARTMENT OF NATURAL RESOURCES
AIR QUALITY DIVISION

ACTIVITY REPORT

AQ-42

☐ COMPLAINT RECEIVED
☐ PERMIT ACTION
☐ ANNUAL COMPLIANCE INVESTIGATION COMPLETED

☐ NESHA
☐ NSPS
☐ REVISED STATUS

ESTABLISHMENT LTV Steel Company		NO. B-3716	DATE MM/DD/YY 1-14-85
NUMBER AND STREET 965 Wanda Ave.		CITY Ferndale	QUARTER 1
CONTACT Jesse Fulton		TITLE	STAFF M. Khuri
PRIMARY ACTIVITY		DISTRICT Northville	NO. 26
REMARKS:		PROJECT	
<p>this is same company Republic Steel. I called Mr. Fulton on Jan 14, 1985 to ask about a response for Dave Yanochko's letter of Nov. 14, 1984. Dave asked for a compliance with Rule 621 and permits for for the use of compliance paint. Mr. Fulton said that he mailed the response yesterday (1-13-85) and that we will receive it in a day or two. He mailed the permit applications to Lansing with copies to Tom Matis.</p>		01 MAJOR SOURCE	
		02 MINOR SOURCE	
		03 RESIDENCE	
		04 MEETING - CONFERENCE	
		05 TRAINING	
		07	
		08	
		09	
		10	
		00 OTHER (explain)	
		SURVEY ACTION	
		01 EMISSION POINTS INVESTIGATED	
		02 VISIBLE EMISSION EVALUATION	
		03 SOURCE TEST (STAFF)	
		04 SOURCE TEST (COMPANY)	
		05 GRAB SAMPLE	
		06 PICTURES TAKEN	
		09	
		10	
		11	
		COMPLIANCE STATUS	
		A. IN COMPLIANCE	
		B. UNKNOWN COMPLIANCE	
		C. OUT OF COMPLIANCE NOT ON A SCHEDULE	
		D. ON A SCHEDULE MEETING INCREMENTS	
		E. ON A SCHEDULE, NOT MEETING INCREMENTS	
		F. ON A SCHEDULE, NOT KNOWN IF MEETING INCREMENTS	

Plant File

LTV STEEL (REPUBLIC STEEL)
is now in compliance with
Rule 621 as of 1-1-85
when they began using
water base paint.
Permit application submitted
to formalize compliance
program

LTV Steel Company

RECEIVED

JAN 14 1985



AIR QUALITY DIVISION

January 10, 1985

Michigan Department of Natural Resources
Air Quality Division
15500 Sheldon Rd.
Northville, Mi. 48167

Attention: Mr. Tom Maki

Dear Mr. Maki:

Attached for your information is a copy of the Air Use Permit application which we have filed with your Lansing office. Included is an opinion from LTV Steel's legal department which sets forth the rationale by which we are declining at this time to notify your department of a change of ownership.

Included also are data sheets describing the chemical and physical characteristics of the water based paint which we are using in our process.

If you have further questions, or need any other information, I will be happy to supply it.

Sincerely,

Jesse Fulton
Plant Engineer

Enclosure

cc: Lansing Plant File w/ LTV's opinion

NG, MICHIGAN 48909

AIR USE PERMIT

APPLICATION

APPLICATION NO.

FOR AUTHORITY TO INSTALL, CONSTRUCT, RECONSTRUCT, RELOCATE, OR ALTER, AND OPERATE PROCESS, FUEL-BURNING, OR REFUSE-BURNING EQUIPMENT AND/OR CONTROL EQUIPMENT (PERMITS TO INSTALL AND OPERATE ARE REQUIRED BY ADMINISTRATIVE RULES PURSUANT TO ACT 348, P.A. 1966, AS AMENDED).

1. APPLICANT: Business License Name of Corporation, Partnership, Individual Owner, Government Agency LTV Steel Co./Republic Steel Corp.		
2. MAILING ADDRESS: Number and Street; City or Village; State; Zip Code 965 Wanda Ave Ferndale, MI. 48220		
3. EQUIPMENT OR PROCESS LOCATION: Number and Street; City, Village or Township 965 Wanda Ave Ferndale	COUNTY Oakland	ZIP CODE 48220
4. GENERAL NATURE OF BUSINESS: Manufacture Steel Tubing and Electrogalvanized Conduit		
5. EQUIPMENT OR PROCESS DESCRIPTION: See Attached Description		
6. ESTIMATED COST: Air Pollution Control Equipment \$ _____ Total Project \$ _____		
7. ACTION AND TIMING: <input checked="" type="checkbox"/> Installation, construction, reconstruction, or alteration <input type="checkbox"/> Relocation <input type="checkbox"/> Change of Ownership		ESTIMATED STARTING DATE _____ ESTIMATED COMPLETION DATE Jan. 1, 1985
8. NAME OF PRIOR OWNER AS IN ITEM 1 ABOVE, AND PRIOR AIR USE PERMIT NUMBER, IF ANY: NAME _____		PERMIT NO. _____
9. NAME AND TITLE OF OWNER OR AUTHORIZED MEMBER OF FIRM Name: Jack Isles Title: Plant Manager		Signature: _____ Date: Jan. 8, 1985 Phone No.: 313 398-1600
10. CONTACT PERSON A DIFFERENT THAN ITEM 9: Name: Jesse Fulton Title: Plant Engineer		Phone No.: 313 398-1600
11. DISPOSITION OF APPLICATION: FOR DNR USE ONLY		
Receipt of all information required by Rule 203 _____		
Permit to install approved * on _____	Signature _____	
Permit to operate approved * on _____	Signature _____	
Application/permit voided on _____	Signature _____	
Application/permit denied on _____	Signature _____	

* Subject to compliance with all Commission Rules and Conditions stipulated in the attached supplement.

INSTRUCTIONS FOR COMPLETING AND FILING ARE ON REVERSE SIDE

PR 5815
5/84

DESCRIPTION OF EQUIPMENT

The equipment consists of machinery necessary to apply a corrosion resistant coating to the inside surface (I.D.) of 10 foot lengths of Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) in the range of 1/2" through 4" trade sizes. Individual tubes roll into a magazine, where they accumulate. A paddle wheel picks up one tube at a time from the magazine and places it in a slotted conveyor. After nine tubes are in place, a synchronized, notched transfer picks them up as a group and transfers them to the spray station.

When the nine tubes are in place at the spray station, a manifold assembly, consisting of 9 lances, each 11 feet long and mounted on a wheeled carrier driven by a chain and hydraulic motor, is signaled to move forward. The lances move into and through the entire length of tube, stop and reverse. At this point an airless spray system is activated, and the coating material, at 1000 psi, is delivered through a hose to the manifold, and distributed through the 9 lances. At the end of each lance, a spray tip with an .013" orifice atomizes the coating material, and the coating is applied to the tube I. D. as the lances are withdrawn from the tube. The coating is delivered at ambient temperature, although provisions have been made to include heating equipment.

Overspray from the end of the tubes is controlled by a spray booth enclosure which is ventilated by a 2 Hp exhaust fan. The transfer mechanism is interlocked so that operation is impossible without the fan running. The exhaust duct contains a series of filters designed to trap paint particles. These filters are changed on a regular basis. Although sampling of the exhaust has not been performed, it is evident that these control devices are sufficient to reduce particulate emissions to a negligible level.

This equipment is designed to operate 24 hours per day 5 days per week, although it normally operates 16 hours per day 5 days per week. The feed rate averages 63 pounds per hour. No fuel is consumed in the process. The spray machine was installed in 1960 and has been operating since then using a solvent based paint. This permit application serves to formalize LTV Steel's compliance procedure, by notifying of our intent to change to a water based paint. This change will be effective as of January 1, 1985. A copy of a typical product data sheet for the water based paint is attached. Volume of use remains as previously reported.

43421FUL

Water Systems

WYANDOTTE

Paint & Products Company

10/5/84

Product Data Sheet

Product Name: *Gray Water Borne Conduit Pipe Coating*

Product Code: *11ALW-41059A*

Date: *October 3, 1984*

Prepared For: *LTV Steel*

Product Application: *Spray*

Product Color: *Gray*

Product Description

V.O.C. = 1.65

Flashpoint 132°F (C.C)

Physical Properties

pH: *9.2 ± .2*

Wt/Gal.: *9.16 ± .1*

Viscosity: *28.2*

Type Viscometer: *#2 Zahn*

Temperature: *77°F ± 5*

Crypt: *15 ± 1 3.5W*

Conductivity:

Coverage

Theor. Solids by Wt%: *25.8 ± 1*

Theor. Solids by Vol%: *18 ± 1*

Theor. Coverage: *288.72*

(Sq. Ft./Gal. @ 1 Mil)

Application Characteristics

Application: *Spray*

Applied Viscosity: *28 ± 2 #2 Zahn*

Amount & Type of Reducer: *Water as needed*

Dry Film Thickness: *.5 ± .2*

Dry Schedule:

Flash Time: *1 - 2 minutes*

Bake Time and Temperature: *4 - 5 @ 140°F*

Clean Up Thinner: *Water*

Environmental Characteristics

Exempt — *xx yes no*

Hazardous Materials:

Material safety data sheet available upon request.

STATE OF MICHIGAN



NATURAL RESOURCES COMMISSION

THOMAS J. ANDERSON
E. R. CAROLLO
MARLENE J. FLUHARTY
STEPHEN F. MONSMA
O. STEWART MYERS
RAYMOND POURPORE
HARRY H. WHITELEY

JAMES J. BLANCHARD, Governor

DEPARTMENT OF NATURAL RESOURCES

RONALD O. SKOOG, Director

15500 Sheldon Road
Northville, Michigan 48167

November 14, 1984

LTV STEEL COMPANY
965 Wanda Avenue
Ferndale, Michigan 48220

Attention: Mr. Jesse W. Fulton, Jr., Plant Engineer

Dear Mr. Fulton:

On October 18, 1984 I conducted a routine annual inspection of the LTV Steel Company located at 965 Wanda Avenue, Ferndale, Michigan. This inspection was performed in order to determine the company's current status of compliance with the Rules of the Michigan Air Pollution Control Commission.

During this inspection we discussed the company's on-going program to achieve compliance with Rule 621. This rule requires that volatile organic compound (VOC) emissions from miscellaneous metal coating operations be reduced below 3.5 pounds of VOC per gallon of coating, minus water, as applied.

The company is in the final production testing stages for two water based coatings for the tube interior coating operation. This coating change is subject to the provisions of Rule 201 which states in part:

"A person shall not install, construct, reconstruct, relocate, or alter, any process, fuel-burning, or refuse-burning equipment, or control equipment pertaining thereto, which may be a source of an air contaminant, until a permit is issued by the commission."

This would be an appropriate time for LTV Steel Company to submit a permit application in order to formalize this compliance program. An application for an Air Use Permit is attached for your use. Instructions for submitting a complete application are found on the back of the form. Information concerning the composition and expected maximum and average usage volumes of the new water based coatings should be included. This information should be submitted to the address at the top of the application form. An extra copy should be sent to this office for our information.

(continued)

11-14-84

Also discussed during my inspection was Permit to Install No. 353-84 for the lime storage silo with a baghouse emission control system. The operation of this equipment was inspected and was determined to be in compliance with the special conditions of the Permit to Install. However, general condition 12 of this permit (which was issued to the Republic Steel Corporation) states in part:

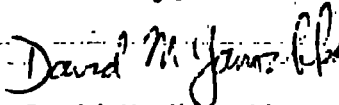
"Any new owner or operator shall immediately notify the Chief of the Permit Unit, in writing, of such change in ownership or principal operator status of this equipment."

The notification of your change in ownership along with my determination of the compliance status of this equipment should result in the reissuance of this permit to LTV Steel Company.

Please submit the requested permit application and change of ownership notification within 30 days of the date of this letter. Thank you for your cooperation in these matters.

If you should have any questions, please feel free to contact this office.

Sincerely,



David M. Yanocho
Environmental Engineer
Air Quality Division
(313) 459-1940

DMY/sh
Enclosure

B-3716

AQ-10 BUSINESS IDENTIFICATION

Plant file

1984
Reporting
Form

ESTABLISHMENT
NUMBER

B3716

DNR USE ONLY - INITIALS, DATE

DO NOT DUPLICATE 1983 COMPUTER
PRINTED INFORMATION IF CORRECT
FOR 1984. ENTER ONLY
CORRECTIONS OR ADDITIONS.

DNR USE ONLY - ACTION

NEW CHANGE DELETE O.K.

See Instructions
on Reverse Side

RMP 11/16/84

1. 2. 3. 4.

ITEM 1

PHYSICAL
LOCATION
ADDRESS
AND
INFORMATION

A. BUSINESS NAME AS LOCALLY KNOWN (EXAMPLE "OLDSMOBILE DIV.", "KENT SCHOOL")

~~REPUBLIC STEEL CORP~~

LTV STEEL CORPORATION

E. PLANT NAME (EXAMPLE "POWER PLANT", "STORE-32", "609-BLDG")

~~TUBULAR PRODUCTS GROUP~~

TUBULAR DIV. FERRINDALE PLANT

C. STREET NUMBER
(DO NOT USE
P.O. BOX)

965

D. STREET NAME

WANDA AVE

E. CITY NAME

FERRINDALE

F. ZIP CODE 48220

MI.

G. NAME OF OWNER OR PARENT/HOLDING COMPANY

~~REPUBLIC STEEL CORP~~

LTV CORPORATION

H. PERSON TO CONTACT
REGARDING THIS FORM

JESSE W FULTON JR

I. TELEPHONE NO. (313) 398-1600

J. COUNTY
REFER TO TABLE I

OAKLAND

63

K. FEDERAL EMPLOYER'S
IDENTIFICATION NO.

34-0486510

COUNTY NAME

COUNTY NO.

L. STANDARD INDUSTRIAL
CLASSIFICATION
REFER TO TABLE II

3317

M. NUMBER OF
EMPLOYEES

~~130~~

110

N. SQUARE FEET OF FLOOR SPACE AT
THIS FACILITY (CHECK ONLY ONE)

MORE THAN 3000

3000 OR LESS

C

1

ITEM 2

MAILING
ADDRESS

A. NAME

E. NAME

C. STREET ADDRESS OR POST OFFICE BOX

D. CITY NAME

E. STATE

F. ZIP CODE

FOR ASSISTANCE CALL 313-459-1940

RETURN FORMS TO: DISTRICT OFFICE

AIR QUALITY DIVISION
15500 SHELDON ROAD
NORTHVILLE, MI. 48167

SIGNATURE OF PERSON
COMPLETING FORMS

Jesse W. Fulton Jr.
G. M. Krauss

DATE

11/6/84

CERTIFICATION BY

DATE

11/6/84

PR560F E-2

ounds. If you have instructions
2 and 3 in their number
to be provided on a
the remainder of 198
blank forms are
the AG-10

B3716

DO NOT DUPLICATE 1983 COMPUTER
PRINTED INFORMATION IF CORRECT
FOR 1984. ENTER ONLY
CORRECTIONS OR ADDITIONS.

NEW CHANGE DELETE O.K.

1. ☐ 2. ☐ 4. ☐ ☒

.03=PART. 76.48=HXCY

AQ- 0 EQUIPMENT IDENTIFICATION

ESTABLISHMENT
NUMBER

B3716

DNR USE ONLY - INITIALS, DATE

DO NOT DUPLICATE 1983 COMPUTER
PRINTED INFORMATION IF CORRECT
FOR 1984. ENTER ONLY
CORRECTIONS OR ADDITIONS.

DNR USE ONLY - ACTION

NEW CHANGE DELETE O.K.

1. ☐ 2. ☒ 3. ☐ 4. ☐

Instructions
Reverse Side

ITEM 1	1983 DATA	1984 DATA
	The printed data is information currently in our files. Use the data as reference in filling out the form.	Report data for the 1984 calendar year. If this equipment was never operated during 1984 and is permanently discontinued then check this box ---- <input type="checkbox"/>
ITEM 2 EQUIPMENT DESCRIPTION	<p>A. SOURCE IDENTIFICATION NUMBER PERMIT NO. 010 000000000</p> <p>B. EQUIPMENT NAME OR DESCRIPTION (AS YOU REFER TO IT) PIPE COATER</p> <p>C. EQUIPMENT CODE (SEE TABLE VI) (TOP SPRAY BOOTH) 1085</p> <p>D. TOTAL NUMBER OF IDENTICAL UNITS (IF OTHER THAN ONE, SEE INSTRUCTIONS) 1</p> <p>E. OPERATING SCHEDULE (YEARLY AVERAGE) 24 HOURS/DAY 36 DAYS/YEAR</p> <p>F. OPERATING SCHEDULE (PERCENT BY QUARTER) JAN-MAR 25 % APR-JUN 25 % JUL-SEP 25 % OCT-DEC 25 %</p> <p>G. RATED CAPACITY (PER HOUR) OR SIZE OF EACH UNIT AMOUNT UNIT CODE 0.00 0</p> <p>H. MATERIAL PROCESSED (PER YEAR) - SEE TABLE V TOTAL AMOUNT UNIT CODE 1500.0 5</p> <p>I. EMISSION CONTROL EQUIPMENT CODES (SEE TABLE IV) 10 00 00</p> <p>J. AVERAGE OVERALL PARTICULATE COLLECTION EFFICIENCY, IF KNOWN 95.00</p> <p>K. AVERAGE PERCENT VOLATILE ORGANIC COMPOUND CONTENT (BY VOLUME) FOR COATING OPERATIONS ONLY (SEE TABLE V, EQUIP. CODES 1010-1018 AND 1045-1142) 76.40</p>	<p>SOURCE ID. NO. PERMIT NO. (INCLUDE DASH) 010</p> <p>16 HOURS/DAY 21 DAYS/YEAR</p> <p>JAN-MAR APR-JUN JUL-SEP OCT-DEC</p> <p>UNIT CODE</p> <p>AMOUNT UNIT CODE</p> <p>TOTAL AMOUNT UNIT CODE</p> <p>1000.0 5</p>
UNIT CODES FOR ITEMS G. AND H. 1 POUNDS 2 TONS 3 1000 CU. FT. 4 CU YARDS 5 GALLONS 6 1000 BARRELS 7 MILLION BTU		
ITEM 3 FUEL USED TO OPERATE EQUIPMENT IN ITEM 2	<p>A. NATURAL GAS 0 1000 CUBIC FEET/YEAR</p> <p>B. DISTILLATE OIL NO. 1 THRU NO. 4 0 1000 GALLONS/YEAR</p> <p>0.00 % SULFUR</p> <p>C. RESIDUAL OIL NO. 5 AND NO. 6 0 1000 GALLONS/YEAR</p> <p>0.00 % SULFUR</p> <p>D. WOOD OR BARK 0 TONS/YEAR</p> <p>E. COAL OR COKE 0 TONS/YEAR</p> <p>0.00 %SULFUR</p> <p>0.00 %ASH</p> <p>F. OTHER (SPECIFY TYPE) 0 AMOUNT (Specify Unit)</p> <p>0.00 % SULFUR</p> <p>0.00 % ASH</p>	<p>1000 CUBIC FEET/YEAR</p> <p>1000 GALLONS/YEAR</p> <p>%</p> <p>1000 GALLONS/YEAR</p> <p>%</p> <p>TONS/YEAR</p> <p>TONS/YEAR</p> <p>%</p> <p>%</p> <p>TONS/YEAR</p> <p>%</p> <p>%</p>

4.22=HXCY

AQ-10 EQUIPMENT IDENTIFICATION

ESTABLISHMENT
NUMBER

B3716

DNR USE ONLY - INITIALS, DATE

LMP

DO NOT DUPLICATE 1983 COMPUTER
PRINTED INFORMATION IF CORRECT
FOR 1984. ENTER ONLY
CORRECTIONS OR ADDITIONS.

DNR USE ONLY - ACTION

NEW CHANGE DELETE O.K.

1. ☐ 2. ☒ 3. ☐ 4. ☐

ITEM 1	1983 DATA	1984 DATA
	The printed data is information currently in our files. Use the data as reference in filling out the form.	Report data for the 1984 calendar year. If this equipment was never operated during 1984 and is permanently discon- tinued then check this box <input type="checkbox"/>
ITEM 2	A. SOURCE IDENTIFICATION NUMBER 013 PERMIT NO. 000000000	SOURCE ID. NO. 013 PERMIT NO. (INCLUDE DASH) _____
EQUIPMENT DESCRIPTION	B. EQUIPMENT NAME OR DESCRIPTION (AS YOU REFER TO IT) TUBE LINE PRINTER	_____
	C. EQUIPMENT CODE (SEE TABLE VI) (INKS OTHER METHODS) 1131	_____
	D. TOTAL NUMBER OF IDENTICAL UNITS (IF OTHER THAN ONE, SEE INSTRUCTIONS) 2	_____ (2)
	E. OPERATING SCHEDULE (YEARLY AVERAGE) 16 HOURS/DAY 242 DAYS/YEAR	_____ HOURS/DAY _____ DAYS/YEAR
	F. OPERATING SCHEDULE (PERCENT BY QUARTER)	JAN-MAR APR-JUN JUL-SEP OCT-DEC
	G. RATED CAPACITY (PER HOUR) OR SIZE OF EACH UNIT	AMOUNT UNIT CODE
	H. MATERIAL PROCESSED (PER YEAR) - SEE TABLE V	TOTAL AMOUNT UNIT CODE
	I. EMISSION CONTROL EQUIPMENT CODES (SEE TABLE IV)	_____
	J. AVERAGE OVERALL PARTICULATE COLLECTION EFFICIENCY, IF KNOWN 0.00	_____ %
	K. AVERAGE PERCENT VOLATILE ORGANIC COMPOUND CONTENT (BY VOLUME) FOR COATING OPERATIONS ONLY (SEE TABLE V, EQUIP. CODES 1010-1018 AND 1045-1142) 70.00	_____ %
ITEM 3	A. NATURAL GAS 0 1000 CUBIC FEET/YEAR	_____ 1000 CUBIC FEET/YEAR
FUEL USED TO OPERATE EQUIPMENT IN ITEM 2	B. DISTILLATE OIL NO. 1 THRU NO. 4 0 1000 GALLONS/YEAR	_____ 1000 GALLONS/YEAR
	0.00 % SULFUR	_____ %
	C. RESIDUAL OIL NO. 5 AND NO. 6 0 1000 GALLONS/YEAR	_____ 1000 GALLONS/YEAR
	0.00 % SULFUR	_____ %
	D. WOOD OR BARK 0 TONS/YEAR	_____ TONS/YEAR
	E. COAL OR COKE 0 TONS/YEAR	_____ TONS/YEAR
	0.00 % SULFUR	_____ %
	0.00 % ASH	_____ %
	F. OTHER (SPECIFY TYPE) 0 AMOUNT (Specify Units)	_____
	0.00 % SULFUR	_____ %
0.00 % ASH	_____ %	

.26=HXCV

DEPARTMENT OF NATURAL RESOURCES
AIR QUALITY DIVISION

ACTIVITY REPORT

AQ-42

☐ COMPLAINT RECEIVED
☐ PERMIT ACTION
☒ ANNUAL COMPLIANCE INVESTIGATION COMPLETED

☐ NESHA
☐ NSPS
☐ REVISED STATUS

(Sheet #1 of 2)

DATE MM/DD/YY 10-18-84	
QUARTER	NO.
STAFF	NO.
COUNTY	NO.
DISTRICT	NO.

ESTABLISHMENT LTV STEEL COMPANY (formerly Republic Steel Corp.)	NO. B-3716
NUMBER AND STREET 965 Wanda Ave.	CITY Ferndale
CONTACT Jesse Fulton	TITLE Plant Engineer
PRIMARY ACTIVITY Tube Manufacturer	

PROJECT	
01 MAJOR SOURCE	
02 MINOR SOURCE	
03 RESIDENCE	
04 MEETING - CONFERENCE	
05 TRAINING	
07	
08	
09	
10	
00 OTHER (explain)	

REMARKS:
Performed annual inspection at Republic Steel Corp. with Maki. On June 30, 1984 the company name was changed to LTV Steel Company, by a merger. Neither management nor operations at the plant have been affected by this change. This plant is quite old. Most production equipment was installed in 1959 and is exempt from Part 2 Rules. Only 1 permit (#353-84) for a lime silo with baghouse control is affected by this change in ownership. This system was inspected for P/O as a part of this annual inspection. no compliance problem noted. I will inform the company of the need to request reissuance of this permit. The main thrust of this inspection involved the company's program for compliance with Rule 621 for their 2 tube interior coating operations. These lines utilize spray lances to coat the interior of 10' sections of cold rolled, formed & seam welded steel tubes & conduit. The coating provides corrosion resistance & reduces friction when pulling wires through the conduit. Appearance is not a factor. The company has performed production tests & is ready to switch to water based coatings which comply with the Rule. Two acceptable products have been tested. One developed by Wyandotte Paint Products, the other by Gage Paint Prod. Once this

SURVEY ACTION	TYPE	NO.
01 EMISSION POINTS INVESTIGATED		
02 VISIBLE EMISSION EVALUATION		
03 SOURCE TEST (STAFF)		
04 SOURCE TEST (COMPANY)		
05 GRAB SAMPLE		
06 PICTURES TAKEN		
09		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
00 OTHER (explain)		

COMPLIANCE STATUS	
A. IN COMPLIANCE	
B. UNKNOWN COMPLIANCE	
C. OUT OF COMPLIANCE NOT ON A SCHEDULE	
D. ON A SCHEDULE MEETING INCREMENTS	
E. ON A SCHEDULE, NOT MEETING INCREMENTS	
F. ON A SCHEDULE, NOT KNOWN IF MEETING INCREMENTS	

Please Note: Staff should enter this plant without hearing protection!!

RELABEL
LAWSON
PLANT #11

AIR QUALITY DIVISION

ACTIVITY REPORT

AQ-42

☐ COMPLAINT RECEIVED

☐ PERMIT ACTION

☒ ANNUAL COMPLIANCE INVESTIGATION COMPLETED

☐ NESHAP

☐ NSPS

☐ REVISED STATUS

(Sheet #2 of 2)

ESTABLISHMENT		NO.	DATE MM/DD/YY	
LTV Steel Company (formerly Republic Steel Corp.)		B-3716	10-18-84	
NUMBER AND STREET		CITY	QUARTER	NO.
		Ferndale		04
CONTACT		TITLE	STAFF	NO.
			D. Yanochko	68
PRIMARY ACTIVITY		COUNTY	DISTRICT	NO.
		Oakland	Northville	03

REMARKS:

paint change is incorporated into a permit, we can consider

the company to be in compliance with Rule 621. The prob-

lems encountered by the company during testing of water

based products involved lengthy curing times & adequately

drying the washed & galvanized tubes prior to coating appli-

cation. They also encountered problems with the valve

which regulated paint flow to the lances. Water based

paints caused this electric valve to stick in the open

(spray) position after 2 hrs. of painting. The company

has switched this valve to a needle valve which needs to

be rebuilt every 2 weeks.

Only the small diameter tube coating line was in operation

during the inspection. The system utilizes pressure

atomization 1,000 PSI (1200 PSI is used for application

of the water based coatings). The drying oven temp. was

at 150°F. Drying temperatures this low (below 194°F.)

would qualify the company for 3.5 lbs. VOC per gal.

emission limit for air dried coatings in Section 1(b) of

Rule 621 as opposed to the 3.0 limit in Section 1(e).

I will follow up with the company in writing, requesting

that the company submit a permit application for the coat-

ing change on the 2 interior coating lines & that the

company request reissuance of P/I 353-84 under the new

company name.

PROJECT

- | | |
|----|----------------------|
| 01 | MAJOR SOURCE |
| 02 | MINOR SOURCE |
| 03 | RESIDENCE |
| 04 | MEETING - CONFERENCE |
| 05 | TRAINING |
| 07 | |
| 08 | |
| 09 | |
| 10 | |
| 00 | OTHER (explain) |

SURVEY ACTION

TYPE NO.

- | | | | |
|----|------------------------------|--|--|
| 01 | EMISSION POINTS INVESTIGATED | | |
| 02 | VISIBLE EMISSION EVALUATION | | |
| 03 | SOURCE TEST (STAFF) | | |
| 04 | SOURCE TEST (COMPANY) | | |
| 05 | GRAB SAMPLE | | |
| 06 | PICTURES TAKEN | | |
| 09 | | | |
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| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 00 | OTHER (explain) | | |

COMPLIANCE STATUS

- | | |
|----|---|
| A. | IN COMPLIANCE |
| B. | UNKNOWN COMPLIANCE |
| C. | OUT OF COMPLIANCE NOT ON A SCHEDULE |
| D. | ON A SCHEDULE MEETING INCREMENTS |
| E. | ON A SCHEDULE, NOT MEETING INCREMENTS |
| F. | ON A SCHEDULE, NOT KNOWN IF MEETING INCREMENTS. |

PRODUCED 02/22/84

REPUBLIC STEEL CORP
REPUBLIC STEEL CORP
TUBULAR PRODUCTS GROUP
965 WANDA AVE
FERNDALE 48220
JESSE W FULTON JR

DISTRICT NO. 03
COUNTY 63 OAKLAND
ESTAB. NO. B3716
313 3981600

STAFF

Yacobi

NO.

63

CONTACT

Jesse Fulton

DATE

10/12/84

BILLED FOR SCHEDULED INVESTIGATION

TOTAL TIME, HOURS

PROJECTED TIME, HOURS

FOY	SID	ECODE	SOURCE NAME	PIECES	AVG.-HOURLY-RATE	CONTROLS	PART. % EFF	ESTIMATED EMISSIONS PART. T/Y	SO2 T/Y
	001	0018	EMT BOILER 7.2 MMBTU	1	7.20 MMBT			.07	
	002	0018	LEMT BOILER 5.2 MM	1	5.20 MMBT				
	003	0018	PAINT HOUSE BOILER	1	.31 MMBT			.01	
	004	0018	OFFICE BOILER 0.48MM	1	.48 MMBT			.02	
00.5	005	0902	NAPHTHA TANK	1	TONS				
00.5	006	1085	SPRAY BOOTHS	2	8.26 GAL\$	FAB-FILTR	95.00	.03	
00.5	007	0074	ZINC PLATING TANKS	2	1.00 GAL\$				
00.5	008	0075	ACID PICKLING	4	1.00 GAL\$				
	009	0560	WOOD SAW	1	TONS	FAB-FILTR			
00.5	010	1085	PIPE COATER	1	1.74 GAL\$	FAB-FILTR			
	011	0064	TUBE WELDERS	3	.13 LBS.				
01.0	012	0426	LIME HOPPER	1	TONS				
00.5	013	1131	TUBE LINE PRINTER	1	.03 GAL\$				
	014	0070	DRYING OVENS	2					

Add AD-10
Uni Bond Brake Inc.
1350 Jarvis
Ferndale, MI 48220

was electric → problems w/ pressure
now needle → Valve feeding paint to
needle need to be rebuilt every two weeks → lines - would stick
in open position
after 2 hrs water base
9 tubes at a time
pressure atomized Woolbs
more pressure for
U.B.
1200 psi
Overtemp 100-150°F

pipe lacquer coating

water coatings
Wegandole Paint
Gray Paint

1 month supply of solvent

Line silo laydown
good condition
all pulse jets
operating
not loaded
but recommended
no evidence in

DUE 9-30-84

of carrying out

Water Systems

WYANDOTTE

Paint & Products Company

10/5/84

Product Data Sheet

Product Name: *Gray Water Borne Conduit Pipe Coating*
Product Code: *11ALW-41059A*
Date: *October 3, 1984*
Prepared For: *LTV Steel*
Product Application: *Spray*
Product Color: *Gray*

Product Description

V.O.C. = 1.65

Flashpoint *132°F (c.c)*

Physical Properties

pH: *9.2 ± .2*

Wt/Gal.: *9.16 ± .1*

Viscosity: *28.2*

Type Viscometer: *#2 Zahn*

Temperature: *77°F ± 5*

Crypt: *15 ± 1 3.5W*

Conductivity:

Coverage

Theor. Solids by Wt%: *25.8 ± 1*

Theor. Solids by Vol%: *18 ± 1*

Theor. Coverage: *288.72*

(Sq. Ft./Gal. @ 1 Mil)

Application Characteristics

Application: *Spray*

Applied Viscosity: *28 ± 2 #2 Zahn*

Amount & Type of Reducer: *Water as needed*

Dry Film Thickness: *.5 ± .2*

Dry Schedule:

Flash Time: *1 - 2 minutes*

Bake Time and Temperature: *4 - 5 @ 140°F*

Clean Up Thinner: *Water*

Environmental Characteristics

Exempt — *xx* yes *no*

Hazardous Materials:

Material safety data sheet available upon request.

DATE OF PREP: 10/03/84

HAZARDOUS MATERIAL SAFETY DATA SHEET

IV

10/5/84

SECTION I

MANUFACTURER'S NAME:

KZO COATINGS WYANDOTTE PAINT

STREET ADDRESS:

650 STEPHENSON HWY.
TROY, MI 48064

EMERGENCY TELEPHONE NO.:

(313) 589-3660

PRODUCT CLASS: Water Borne Coating

MANUFACTURER'S CODE IDENTIFICATION:
11BLW41059A

TRADE NAME:

GRAY W.B. CONDUIT PIPE COAT

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS:	* PCT *	PPM	TLV MG/M3	* LEL *	VAPOR PRES
	BY WT				
AMMONIA	* <.5*	25.00*	18.00*	16.0*	584
BUTYL CELLOSOLVE	* <.5* SKIN	25.00*	120.00*	1.1*	
GLYCOL	* <.5*	50.00*	125.00*	3.2*	<
ISOPROPYL ALCOHOL	* <.5*	400.00*	980.00*	2.0*	35
STRONTIUM CHROMATE	* <.5*	-----*	.05*	NA *	N
XYLOL	* <.5* SKIN	100.00*	435.00*	1.0*	5

SECTION III - PHYSICAL DATA

BOILING RANGE:

212 - 343 DEG. F

VAPOR DENSITY VS. AIR:

LIGHTER THAN AIR

EVAPORATION RATE VS. ETHER:

SLOWER

PERCENT VOLATILE BY VOLUME:

82.1

WEIGHT PER GALLON:

9.17 LBS.

10/5/84

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY:

FLASH POINT:

LEL: SEE SECTION I

FLAMMABLE LIQUID, UN-1263

132F SFCC

EXTINGUISHING MEDIA:

FOAM, CARBON DIOXIDE, DRY CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS:

THIS PRODUCT HAS A FLASH POINT IN A TAG CLOSED CUP, BUT DOES NOT SUPPORT COMBUSTION. CLOSED CONTAINERS MAY BURST (DUE TO BUILD UP OF STEAM PRESSURE), WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIRE FIGHTING PROCEDURES:

TO PREVENT PRESSURE BUILD UP, WATER SHOULD BE USED TO COOL CONTAINERS EXPOSED TO FIRE.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II.

EFFECTS OF OVEREXPOSURE:

INHALATION: HEADACHE, NAUSEA, IMPAIRMENT OF REACTION TIME AND COORDINATION.

SKIN CONTACT: REPEATED CONTACT MAY CAUSE IRRITATION.

EYE CONTACT: CAUSES IRRITATION AND POSSIBLE DAMAGE.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: MOVE TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION, IF NECESSARY.

SKIN CONTACT: WASH WITH SOAP AND WATER.

EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

SECTION VI - REACTIVITY DATA

STABILITY:

STABLE

CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID):

N/A

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, SMOKE, OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

CONDITIONS TO AVOID:

N.A.

10/3/84

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
ENTILATE AREA AND REMOVE WITH INERT ABSORBENT.

WASTE DISPOSAL METHOD:

INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS. DISPOS
OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL POLLUTION CONTROL REQUIREMENTS

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

USE ADEQUATE VENTILATION. IN CONFINED AREAS USE U.S. BUREAU OF MINES APPROVED
RESPIRATOR DEVISE.

VENTILATION:

PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOW THE GIVEN TLV
AND LEL.

PROTECTIVE GLOVES:

REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION:

USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

OTHER PROTECTIVE EQUIPMENT:

EYE BATH AND SHOWER SHOULD BE AVAILABLE

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DO NOT STORE IN HIGH TEMPERATURE AREA. PROTECT FROM FREEZING.

OTHER PRECAUTIONS:

DO NOT TAKE INTERNALLY. AVOID PROLONGED CONTACT WITH SKIN.
CONTAINS CHROMATE PIGMENTS. IF SUBJECT TO SPRAY APPLICATION, ENGINEERING AND
ADMINISTRATIVE CONTROLS MUST BE INSTITUTED TO MAINTAIN AN EXPOSURE BELOW 0.1 MI
M3. IF THESE CONTROLS ARE NOT ADQUATE, THE USE OF A RESPIRATOR IS RECOMMENDED.

APPROVED BY HEALTH & SAFETY DEPARTMENT:

NAME: *Barry Kamary*

DATE: 10/03/84

FORMULA REV. DATE 82784

DEPARTMENT OF NATURAL RESOURCES
AIR QUALITY DIVISION

ACTIVITY REPORT

AQ-42

☐ COMPLAINT RECEIVED
☐ PERMIT ACTION
☐ ANNUAL COMPLIANCE INVESTIGATION COMPLETED

☐ NESHAP
☐ NSPS
☐ REVISED STATUS

		DATE MM/DD/YY 4-16-84	
ESTABLISHMENT Republic Steel Corp.	NO. B-3716	QUARTER 2	NO. 2
NUMBER AND STREET 965 Wanda Ave.	CITY	STAFF LOPEZ	NO.
CONTACT Jessie Fulton	TITLE	COUNTY OAKLAND	NO. 63
PRIMARY ACTIVITY		DISTRICT Pontiac	NO. 3

<p>REMARKS:</p> <p><i>I spoke to Mr. Fulton today about his permits. He will be sending them in this week.</i></p> <p><i>I also gave him a verbal O.K. to skip the permit on the two drying ovens since they are used only for drying off water and are fired by natural gas (see rule 281, sec. d.)</i></p>	<p>PROJECT</p> <p>01 MAJOR SOURCE 02 MINOR SOURCE 03 RESIDENCE 04 MEETING - CONFERENCE 05 TRAINING 07 _____ 08 _____ 09 _____ 10 _____ 00 OTHER (explain)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:70%;">SURVEY ACTION</th> <th style="width:10%;">TYPE</th> <th style="width:20%;">NO.</th> </tr> <tr><td>01 EMISSION POINTS INVESTIGATED</td><td></td><td></td></tr> <tr><td>02 VISIBLE EMISSION EVALUATION</td><td></td><td></td></tr> <tr><td>03 SOURCE TEST (STAFF)</td><td></td><td></td></tr> <tr><td>04 SOURCE TEST (COMPANY)</td><td></td><td></td></tr> <tr><td>05 GRAB SAMPLE</td><td></td><td></td></tr> <tr><td>06 PICTURES TAKEN</td><td></td><td></td></tr> <tr><td>09 _____</td><td></td><td></td></tr> <tr><td>10 _____</td><td></td><td></td></tr> <tr><td>11 _____</td><td></td><td></td></tr> <tr><td>12 _____</td><td></td><td></td></tr> <tr><td>13 _____</td><td></td><td></td></tr> <tr><td>14 _____</td><td></td><td></td></tr> <tr><td>15 _____</td><td></td><td></td></tr> <tr><td>16 _____</td><td></td><td></td></tr> <tr><td>17 _____</td><td></td><td></td></tr> <tr><td>18 _____</td><td></td><td></td></tr> <tr><td>19 _____</td><td></td><td></td></tr> <tr><td>00 OTHER (explain)</td><td></td><td></td></tr> </table> <p>COMPLIANCE STATUS</p> <p>A. IN COMPLIANCE B. UNKNOWN COMPLIANCE C. OUT OF COMPLIANCE NOT ON A SCHEDULE D. ON A SCHEDULE MEETING INCREMENTS E. ON A SCHEDULE, NOT MEETING INCREMENTS F. ON A SCHEDULE, NOT KNOWN IF MEETING INCREMENTS</p>	SURVEY ACTION	TYPE	NO.	01 EMISSION POINTS INVESTIGATED			02 VISIBLE EMISSION EVALUATION			03 SOURCE TEST (STAFF)			04 SOURCE TEST (COMPANY)			05 GRAB SAMPLE			06 PICTURES TAKEN			09 _____			10 _____			11 _____			12 _____			13 _____			14 _____			15 _____			16 _____			17 _____			18 _____			19 _____			00 OTHER (explain)		
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NATURAL RESOURCES COMMISSION

THOMAS J. ANDERSON
E. R. CAROLLO
JACOB A. HOEFER
STEPHEN F. MONSMA
HILARY F. SNELL
PAUL H. WENDLER
HARRY H. WHITELEY

JAMES J. BLANCHARD, Governor

DEPARTMENT OF NATURAL RESOURCES

RONALD O. SKOOG, Director

2455 N. Williams Lake Road
Pontiac, Michigan 48054

March 6, 1984

Republic Steel Corporation
965 Wanda Avenue
Ferndale, Michigan 48220

Attention: Mr. Jessie Fulton

Dear Mr. Fulton:

On January 3, 1984 I sent you four permit applications to be completed and submitted to our Lansing office. These applications were to cover the following equipment located in your plant:

- (1) three tube welders - no permit nec. - installed before 1967
- (2) one lime hopper.
- (3) one tube line printer - no permit nec. - installed before 1967
- (4) two drying ovens - no permit nec. - only drives off H₂O vapors, not gas fired.

To date, these applications have not been received. If you have not filled them out and sent them in, please do so by April 1, 1984. Thank you very much. SL

If you have any questions or if we can be of any assistance to you, please feel free to contact this office.

Sincerely,

Sandra C. Lopez
Resource Specialist
Air Quality Division
(313) 666-2700

SCL:mh

#B-3716



NATURAL RESOURCES COMMISSION

THOMAS J. ANDERSON
 E. R. CAROLLO
 JACOB A. HOFFER
 WILLIAM E. MUNSIA
 HERBERT L. STELL
 PAUL H. WENDLER
 HARRY H. WHITELEY

JAMES J. BLANCHARD, Governor

DEPARTMENT OF NATURAL RESOURCES

RONALD O. SKOOG, Director

2455 N. Williams Lake Road
 Pontiac, Michigan 48054

January 3, 1984

Republic Steel Corporation
 965 Wanda Avenue
 Ferndale, Michigan 48220

Attention: Mr. Jessie Fulton

Dear Mr. Fulton:

On December 2, 1983 I conducted a routine annual compliance investigation of your plant. Also at that time, Dave Yanochko and I discussed your plans for coming into compliance with Rule 621. You will be hearing from Mr. Yanochko soon regarding your plans for coming into compliance.

My annual inspection included a complete tour of your plant, at which time I inspected the boilers, naptha tank, painting and plating operations, wood saw, and pipe coater. All of this equipment was in working order and appeared to have been well maintained.

During my inspection I noticed the following pieces of equipment which have not been listed on our emission inventory forms in the past.

- (1) Tube welders (three)
- (2) Lime hopper
- (3) Tube line printer
- (4) Drying ovens (two)

You will need permits for this equipment. I have enclosed applications for your use. Please submit the completed applications to the address at the top of the form within 30 days.

Thank you for your time and cooperation. If you have any questions or if we can be of any assistance to you, please feel free to contact this office.

Sincerely,

Sandra C. Lopez
 Resource Specialist
 Air Quality Division
 (313) 666-2700

SCL:mh
 Enclosures

#B-3716

Company REPUBLIC STEEL CORPORATION
Address 915 WANDA AVENUE, PITTSBURGH, PENNSYLVANIA 15201
Establishment # B 3716

SUBJECT TO ANY OF PART 6 RULES? ☒ YES
☐ NO

RULE # 621

PROCESS : SOURCE OF LARGE AND SMALL FURNACE METAL HEATING TREATING
SOURCE OF PIPE COATING LINE

REQUIRED COMPLIANCE DATE IN RULE 6-30-83

DATE COMPLIANCE WAS/WILL BE ACHIEVED 6-30-84

ESTIMATED 1979 EMISSIONS 52.43 TPY VOC

1983 EMISSIONS 50.7 TPY VOC

ESTIMATED EMISSIONS AFTER COMPLIANCE IS ACHIEVED 50.63 TPY VOC

CALCULATIONS:

Source One Large and small furnace metal heating treating
Using 1979 Data 52.43 TPY VOC
 $52.43 \text{ TPY VOC} \times \frac{1 \text{ ton}}{2000 \text{ lbs}} = 26.215 \text{ tons VOC}$
From 1983 Emissions Data 50.7 TPY VOC
1983 Emissions 50.7 TPY VOC
 $50.7 \text{ TPY VOC} \times \frac{1 \text{ ton}}{2000 \text{ lbs}} = 25.35 \text{ tons VOC}$
Source Two PIPE COATING LINE
1979 DATA UNAVAILABLE
From 1983 Emissions Data 4.22 TPY VOC
1983 Emissions 1800 GPM COMPLIANCE ESTIMATION
 $1800 \text{ GPM} \times 2.8 \frac{\text{lbs VOC}}{\text{gal}} \times \frac{1 \text{ ton}}{2000 \text{ lbs}} = 2.52 \text{ tons VOC}$

INITIALS A.P.

Republicsteel

Republic Steel Corporation
Steel and Tubes Division
Detroit Plant
965 Wanda Avenue
Ferndale MI 48220
Tel 313/398-1600

December 16, 1983

Ms. Sandra Lopez
Environmental Engineer
Michigan Department of Natural Resources
2455 N. Williams Lake Rd.
Pontiac, Mi. 48054

RE: VOC Emission Compliance

Dear Ms. Lopez

For the past several months, this plant has experimented with products of three paint suppliers with the objective of replacing the solvent-based paint used on our inside diameter coating line with a suitable water borne paint. Our latest test, conducted on December 14, 1983, was successful from the standpoint of applicability, but we need to investigate further the aspects of suitability for intended use, and longer term problems of application. As a result, we find it necessary to at this time request a six month extension of the compliance date for Rule R336.1621.

The paint used in this application is not simply an "appearance" factor in our final product. The paint must meet standards set by Underwriters Laboratory in their specification for Electrical Metallic Tubing. In addition, the paint must meet Republic Steel standards as to "slipperyness," in regard to the relative ease of pulling wire through the tubing.

We expect to qualify one or more of these products and plan to begin using it immediately thereafter. An extension will allow us to continue a methodical approach to a significant change in our production process.

Your favorable action in this matter will be greatly appreciated.

Sincerely,
Jesse Fulton
Jesse Fulton
Plant Engineer

RECEIVED
DEC 19 1983
STEEL TUBES DIVISION

cc: G. Krauss
W. Kasyon
D. Woodring

cc: Lansing Plant Files

AIR QUALITY DIVISION

ACTIVITY REPORT

-Page 1-

AQ-42

☐ COMPLAINT
RECEIVED☐ PERMIT
ACTION☒ ANNUAL COMPLIANCE
INVESTIGATION
COMPLETED☐ NESHAP☐ NSPS☐ REVISED
STATUS

DATE MM/DD/YY

12-2-83

ESTABLISHMENT Republic Steel Corporation	NO. B-3716	QUARTER	NO. 04
NUMBER AND STREET 965 Wanda Avenue	CITY Ferndale	STAFF Lopez SL	NO.
CONTACT Jessie Fulton	TITLE	COUNTY Oakland	NO. 63
PRIMARY ACTIVITY Conduit and Tubing Manufacture		DISTRICT Pontiac	NO. 03

REMARKS:

(With Dave Yanochko) This is the first time anyone from Air Quality Division has been to this company. Their only products are tubes and conduits. At the time we were there, they were testing a new paint from Gage Products to see if it would work to bring them into compliance with Rule 621. They have been testing paints from Wyandotte Chemical, Gage Products and Mahoney Paint in Youngstown to find a water base paint they could use. The paint the insides of their tubes so that electrical lines can slide through more easily. The problem they have been having is that the water base paints evaporate so slowly that the metal of the tubes has been rusting before the paint dries. The paint being tested from Gage Products while we were there did not look like it would work either because it was drying too slowly. We suggested several changes such as using dry heat to dry the paint rather than wet heat, and they will keep working on it. They will apply for an extension of their Rule 621 deadline.

The plant covers 280,000 sq. ft. They are operating three shifts. The conduit tube they make comes in eleven sizes, ranging from 1/2" to 4" generally. The biggest tube they make is 6-5/8" in diameter, with a 1/4" wall.

PROJECT

- | | | |
|----|----------------------|-------------|
| 01 | MAJOR SOURCE | |
| 02 | MINOR SOURCE | |
| 03 | RESIDENCE | TRAVEL 2 hr |
| 04 | MEETING - CONFERENCE | Office 2 hr |
| 05 | TRAINING | Field 3 hr |
| 06 | | |
| 07 | | |
| 08 | | |
| 09 | | |
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| 12 | | |
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| 17 | | |
| 18 | | |
| 19 | | |
| 20 | OTHER (explain) | |

SURVEY ACTION

TYPE

NO.

- | | | | |
|----|------------------------------|--|--|
| 01 | EMISSION POINTS INVESTIGATED | | |
| 02 | VISIBLE EMISSION EVALUATION | | |
| 03 | SOURCE TEST (STAFF) | | |
| 04 | SOURCE TEST (COMPANY) | | |
| 05 | GRAB SAMPLE | | |
| 06 | PICTURES TAKEN | | |
| 07 | | | |
| 08 | | | |
| 09 | | | |
| 10 | | | |
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| 14 | | | |
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| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | OTHER (explain) | | |

COMPLIANCE STATUS

- | | | |
|----|--|--|
| A. | IN COMPLIANCE | |
| B. | UNKNOWN COMPLIANCE | |
| C. | OUT OF COMPLIANCE NOT ON A SCHEDULE | |
| D. | ON A SCHEDULE MEETING INCREMENTS | |
| E. | ON A SCHEDULE, NOT MEETING INCREMENTS | |
| F. | ON A SCHEDULE, NOT KNOWN IF MEETING INCREMENTS | |

AIR QUALITY DIVISION

ACTIVITY REPORT

AQ-42

-Page 2-

☐COMPLAINT
RECEIVED☐PERMIT
ACTION☐ANNUAL COMPLIANCE
INVESTIGATION
COMPLETED☐

NESHAP

☐

NSPS

☐REVISED
STATUS

DATE MM/DD/YY

ESTABLISHMENT Republic Steel Corporation	NO. B-3716	QUARTER	NO. 04
NUMBER AND STREET 965 Wanda Avenue	CITY Ferndale	STAFF Lopez	NO.
CONTACT Jessie Fulton	TITLE	COUNTY Oakland	NO. 63
PRIMARY ACTIVITY Conduit and Tubing Manufacture		DISTRICT Pontiac	NO. 03

REMARKS:

They use all carbon steel to make their tubes. The tubes are cold shaped. There are two lines through the plant.

Their boilers all appeared to be in good repair. The EMT boiler (SID 001) is used for process heat. It is gas fired. The LEMT boiler (SID 002) is also gas fired and used for process heat, however, it is only a standby boiler and only runs a few weeks a year. The paint house boiler (SID 003) is also a gas boiler. However, it is used to heat the paint house. The office boiler (SID 004) is also gas fired and is also used for heating.

The naptha tank (SID 005) is a 5,000 gallon tank which is underground. The naptha tank will go when they transfer to a water base paint. They use the naptha for diluting their paints. The zinc plating tanks (SID 007) and the acid pickling tanks (SID 008) are not heated. The acid used is 30% H₂SO₄, the base used is NAOH. There is a direct exhaust to the atmosphere from the acid pickling tanks. The stacks from the caustic and acid tanks have to be replaced occasionally. One stack was replaced 4 years ago, the other stack will be replaced soon, probably within the next year. The wood saw (SID 009) is just a small table saw with a small bag attached to it to collect the sawdust. The bag is manually dumped into

PROJECT

- 01 MAJOR SOURCE
02 MINOR SOURCE
03 RESIDENCE
04 MEETING - CONFERENCE
05 TRAINING
07 _____
08 _____
09 _____
10 _____
00 OTHER (explain)

SURVEY ACTION

TYPE

NO.

- 01 EMISSION POINTS INVESTIGATED
02 VISIBLE EMISSION EVALUATION
03 SOURCE TEST (STAFF)
04 SOURCE TEST (COMPANY)
05 GRAB SAMPLE
06 PICTURES TAKEN
09 _____
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16 _____
17 _____
18 _____
19 _____
00 OTHER (explain)

COMPLIANCE STATUS

- A. IN COMPLIANCE
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C. OUT OF COMPLIANCE NOT ON A SCHEDULE
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DEPARTMENT OF NATURAL RESOURCES
AIR QUALITY DIVISION

ACTIVITY REPORT

AQ-42

-Page 3-

☐ COMPLAINT RECEIVED
☐ PERMIT ACTION
☐ ANNUAL COMPLIANCE INVESTIGATION COMPLETED

☐ NESHA
☐ NSPS
☐ REVISED STATUS

ESTABLISHMENT Republic Steel Corporation		NO. B-3716	DATE MM/DD/YY
NUMBER AND STREET 965 Wanda Avenue		CITY Ferndale	QUARTER 04
CONTACT Jessie Fulton		TITLE	STAFF Lopez
PRIMARY ACTIVITY Conduit and Tubing Manufacture		COUNTY Oakland	NO. 63
		DISTRICT Pontiac	NO. 03

REMARKS:	PROJECT																																																									
	01 MAJOR SOURCE 02 MINOR SOURCE 03 RESIDENCE 04 MEETING - CONFERENCE 05 TRAINING 07 _____ 08 _____ 09 _____ 10 _____ 00 OTHER (explain)																																																									
the trash. The pipe coater (SID 010) only runs 3-4 weeks a year. It sprays varnish, mineral spirits and toluene. It has fabric filters which are changed regularly. The two lines are for different size tubes, however, they both run the same. Each line starts off by cold shaping the tube and then welding them electrically. Welders (there are 3 of them altogether) use a water and oil emulsion to cool them. There are smog-hogs to deal with some of the fumes. <i>There are no permits for these</i> They are not permitted sources. I will send them a permit application for these. Then, the tubes are cleaned in the acid pickling tanks and then they are zinc plated. Following that, they are sent through the drying ovens to dry at about 435°F. There are no permits on the drying ovens either. Waste heat from the drying ovens goes to the paint line, from there it goes outside after going through paper filters to collect any paint. The paint oven is about 100 feet long and has two outside vents. There are filter pads between the prepaint vent and the roof. These are changed once a day. After painting, the tubes are sent through a tube line printer which uses Polysolve VE ink. This is an alcohol based ink. That is another item we will ask them to get a permit for.	<table border="1"> <tr> <th>SURVEY ACTION</th> <th>TYPE</th> <th>NO.</th> </tr> <tr> <td>01 EMISSION POINTS INVESTIGATED</td> <td></td> <td></td> </tr> <tr> <td>02 VISIBLE EMISSION EVALUATION</td> <td></td> <td></td> </tr> <tr> <td>03 SOURCE TEST (STAFF)</td> <td></td> <td></td> </tr> <tr> <td>04 SOURCE TEST (COMPANY)</td> <td></td> <td></td> </tr> <tr> <td>05 GRAB SAMPLE</td> <td></td> <td></td> </tr> <tr> <td>06 PICTURES TAKEN</td> <td></td> <td></td> </tr> <tr> <td>09 _____</td> <td></td> <td></td> </tr> <tr> <td>10 _____</td> <td></td> <td></td> </tr> <tr> <td>11 _____</td> <td></td> <td></td> </tr> <tr> <td>12 _____</td> <td></td> <td></td> </tr> <tr> <td>13 _____</td> <td></td> <td></td> </tr> <tr> <td>14 _____</td> <td></td> <td></td> </tr> <tr> <td>15 _____</td> <td></td> <td></td> </tr> <tr> <td>16 _____</td> <td></td> <td></td> </tr> <tr> <td>17 _____</td> <td></td> <td></td> </tr> <tr> <td>18 _____</td> <td></td> <td></td> </tr> <tr> <td>19 _____</td> <td></td> <td></td> </tr> <tr> <td>00 OTHER (explain)</td> <td></td> <td></td> </tr> </table>	SURVEY ACTION	TYPE	NO.	01 EMISSION POINTS INVESTIGATED			02 VISIBLE EMISSION EVALUATION			03 SOURCE TEST (STAFF)			04 SOURCE TEST (COMPANY)			05 GRAB SAMPLE			06 PICTURES TAKEN			09 _____			10 _____			11 _____			12 _____			13 _____			14 _____			15 _____			16 _____			17 _____			18 _____			19 _____			00 OTHER (explain)		
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AIR QUALITY DIVISION

ACTIVITY REPORT

AQ-42

-Page 4-

☐ COMPLAINT RECEIVED

☐ PERMIT ACTION

☐ ANNUAL COMPLIANCE INVESTIGATION COMPLETED

☐ NESHAP

☐ NSPS

☐ REVISED STATUS

ESTABLISHMENT Republic Steel Corporation		NO. B-3716	DATE MM/DD/YY	
NUMBER AND STREET 965 Wanda Avenue		CITY Ferndale	QUARTER	NO. 04
CONTACT Jessie Fulton		TITLE	STAFF Lopez	NO.
PRIMARY ACTIVITY Conduit and Tubing Manufacture			COUNTY Oakland	NO. 63
			DISTRICT Pontiac	NO. 03
REMARKS: <u>Outside there is a lime hopper with a baghouse which</u> <u>has an automatic shaker. This is another source they will</u> <u>need a permit for.</u> <u>All of the equipment I saw appeared to be well maintained.</u> <u>They were seriously working toward finding a water base</u> <u>paint to use for the insides of their tubes. The sources</u> <u>that were not listed appear to have been missed merely by</u> <u>oversight.</u>			PROJECT	
			01 MAJOR SOURCE	
			02 MINOR SOURCE	
			03 RESIDENCE	
			04 MEETING - CONFERENCE	
			05 TRAINING	
			06 _____	
			07 _____	
			08 _____	
			09 _____	
10 _____				
00 OTHER (explain)				
SURVEY ACTION			TYPE	NO.
01 EMISSION POINTS INVESTIGATED				
02 VISIBLE EMISSION EVALUATION				
03 SOURCE TEST (STAFF)				
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COMPLIANCE STATUS				
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E. ON A SCHEDULE, NOT MEETING INCREMENTS				
F. ON A SCHEDULE, NOT KNOWN IF MEETING INCREMENTS				

PRODUCED 03/24/83

*

REPUBLIC STEEL CORP
REPUBLIC STEEL CORP
STEEL AND TUBES DIVISION
965 WANDA AVE
FERNDALE 48220
~~DEMING~~ ~~PERNOX~~
Jesse

DISTRICT NO. 03
COUNTY 63 OAKLAND
ESTAB. NO. B3716
313 3981600

STAFF

NO.

CONTACT

DATE

TOTAL TIME, HOURS

PROJECTED TIME, HOURS

FOY	SID	ECODE	SOURCE NAME	PIECES	AVG.-HOURLY-RATE	CONTROLS	PART. % EFF	ESTIMATED PART. T/Y	EMISSIONS SO2 T/Y
	001	0018	EMT BOILER	1	7.20 MMBT			.07	
	002	0018	LEMT BOILER	1	5.20 MMBT				
	003	0018	PAINT HOUSE BOILER	1	.34 MMBT			.01	
	004	0018	OFFICE BOILER	1	.48 MMBT			.02	
00.5	005	0902	NAPHTHA TANK	1	TONS				
00.5	006	1085	SPRAY BOOTHS	2	8.26 GALS			.64	
00.5	007	0074	ZINC PLATING TANKS	2	GALS				
00.5	008	0075	ACID PICKLING	4	GALS				
	009	0560	WOOD SAW	1	TONS	FAB-FILTR			
00.5	010	1085	PIPE COATER	1	1.74 GALS			.03	

DUE 10-31-83

all Carbon steel

1/2"-4" E1
6 7/8" - 8"

1/4" wall

280K²

33 kpsi

these 3 welders
on 5/2/83
lines 11 sig

electric

weld say
that several
of the welds are
inadequate

10-10-83

2455 N. Williams Lake Road
Pontiac, Michigan-48054

March 22, 1983

Republic Steel Corporation
Steel & Tubes Division
965 Wanda Avenue
Ferndale, Michigan 48220

Attention: Mr. Dennis Lennox, Plant Engineer

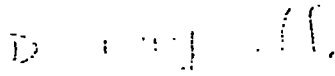
Dear Mr. Lennox:

This is in regard to your letter dated March 17, 1983 concerning Michigan Air Pollution Control Commission Rule 621 which restricts the emissions of volatile organic compounds from miscellaneous metal parts coating operations.

The compliance program detailed in your letter appears to be acceptable. The only additional piece of information required by this office is the formulation of the water borne coating which you finally decide on. The coating's "Material Safety Data Sheet" will usually contain the required information. Please submit a copy of the data sheet to this office when your decision is made.

Thank you for your attention to this matter.

Sincerely,



David M. Yanochko
Environmental Engineer
Air Quality Division

DMY:rh

cc: F. Rieth

#B-3716

RECEIVED

MAR 15 1983

AIR QUALITY DIVISION

Republicsteel

Republic Steel Corporation
Steel and Tubes Division
Detroit Plant
965 Wanda Avenue
Ferndale MI 48220
Tel 313/398-1600

March 17, 1983

Mr. David M. Yanochko
Air Quality Division
Department of Natural Resources
State of Michigan
2455 N. Williams Lake Rd.
Pontiac, MI 48054

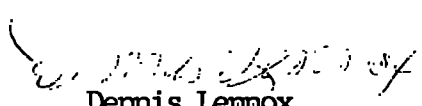
Dear Mr. Yanochko:

The following is our program for compliance of D.N.R. Rule R336.1621 governing emissions of volatile organic compounds:

1. The paint used for coating the inside diameter of both large and small sizes of electrical metallic tubing will be changed from a solvent-based material to a water-borne material. We are presently testing a number of products, but we have not decided on a specific formula. We intend to be in compliance by December 31, 1983.
2. The pipe coating line will continue to operate with the present solvent-based coating. Emission rate for this line is within the limits described in rule 621(8a).

If you require additional information, please contact me.

Sincerely,


Dennis Lemnox
Plant Engineer

cc W. L. West
L. J. Synk
W. Kasyon
G. N. Krauss

Republicsteel

RECEIVED
JAN 10 1983
AIR QUALITY DIV.
Republic Steel Corporation
Steel and Tubes Division
Detroit Plant
965 Wanda Avenue
Ferndale MI 48220
Tel 313/398-1600

January 6, 1983

Mr. David M. Yanochko
Air Quality Division
Department of Natural Resources
State of Michigan
2455 N. Williams Lake Road
Pontiac, MI 48054

Dear Mr. Yanochko:

This letter is in response to your notice of new regulations restricting the emission levels of volatile organic compounds.

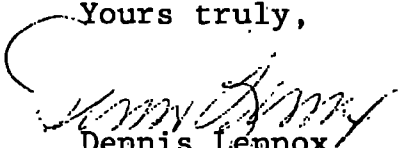
Ferndale Plant presently operates three processing lines coating metal tubing. They are: 1. Large Electrical Metallic Tubing Line, 2. Small Electrical Metallic Tubing Line, and 3. Pipe Coating Line.

Estimated paint usage per year for the large and small metallic tubing lines combined is 32,000 gal. Organic solvent content is 65% with a solvent density of 6.27 lb./gal.

Estimated paint usage per year in the pipe coating process is 1500 gal. Organic solvent content is 74.9% with a solvent density of 7.25 lb./gal.

If you require more information, please contact me.

Yours truly,


Dennis Lennox
Plant Engineer

cc: Lansing ✓

2455 N. Williams Lake Road
Pontiac, Michigan 48054

November 17, 1982

Republic Steel Corporation
Steel & Tubes Division
965 Wanda Avenue
Ferndale, Michigan 48220

Attention: Mr. Dennis F. Lemox

Gentlemen:

This is to inform you that the Michigan Air Pollution Control Commission adopted new regulations which may affect your existing miscellaneous metal products coating line. Enclosed is a copy of the rule addressing these requirements.

Specifically, Rule 621 restricts the amount of volatile organic compounds which may be emitted from existing metallic product coating lines.

A person responsible for the operation of any existing source subject to this rule must also submit to the Commission a written program for compliance with the specified limits or evidence of compliance with these limits. Your company has 120 days from the date of this letter to meet this requirement.

It is important that you begin immediately to develop an acceptable program. Your program should specify the method that will be used to achieve compliance. If new equipment or process changes will be necessary, your program should also specify the dates that:

1. an air use permit application will be submitted,
2. equipment will be ordered,
3. construction will begin, and
4. compliance will be achieved.

It may also be possible to meet the emission limits through the use of high solids paints.

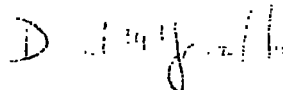
If you are currently in compliance with these limitations and are able to demonstrate compliance, you should submit a copy of the emission testing or material analysis which demonstrates compliance.

If you believe you are exempt from Rule 621 under any of the various exemptions listed in the rule, you should provide documentation to that effect.

We request that you respond immediately to this letter, indicating its receipt. Please include the total annual paint usage (in gallons per year) on your miscellaneous metal coating lines and the number of such lines that you operate. Also include the organic solvent percentage of the paint as applied and the density (in pounds per gallon) of the solvent.

If you have any questions, please feel free to call this office at (313) 666-2700. We will be happy to discuss this new regulation with you.

Sincerely,



David M. Yanochko
Environmental Engineer
Air Quality Division

DMY/MAK:mh

Enclosure

#B-3716

FERNDAL (con't.)

EXCELDA MFG CO INC (con't.)

V P: Fred Coxen
Emp: 21. Est: 1930.
SIC: 2842
Cleaning & polishing agents for auto
inds.

FERNDAL LABS INC

780 W 8 Mile Rd (48220)
Phone: 313 548-0900
Pres: Hartz Cinelli
Emp: 39. Est: 1897.
Sq. Ft: 20,000.
Annual Sis: 1.1-5MM. Export.
In House Computer: Burroughs
SIC: 2834
Pharmaceuticals.

FLEXON INC

2020 Burdette (48220)
Phone: 313 543-8880
Owner(s): John L. Kroha
Sr Buyer: Tim Sutherland
Plant Mgr: Robert Weiler
Emp: 70. Est: 1977.
Sq. Ft: 15,000.
Annual Sis: 1.1-5MM.
Rsch. facilities. Export.
SIC: 3714 3584 3589 3599 3879
Automobile parts & access: pollution
control eqpt, ignition sys; elec
eqpt/filters, oil, air/metal indl hose.

FLYNN MFG/FLYNN MACHINE
PRDTS

1581 E 8 Mile Rd (48220)
Phone: 313 541-5363
Pres: Ronald R Scafione
V P: Dennis Burr
Treas: Richard Flower
Emp: 16. Est: 1915.
Sq. Ft: 10,000.
Annual Sis: 251-500M. Export.
SIC: 3545 2819 3423 3541 3599
Boring heads, bars, tools & access.
Thread measuring wires.

FOUR SEASONS WINDOW CORP

1333 E 8 Mile Rd (48220)
Phone: 313 542-8300
Pres: Doug E Humphrey
V P Mfg: Russell Hawkes
Purch Agent: Kurt Takacs
Emp: 27. Est: 1949.
Sq. Ft: 30,000.
In House Computer: IBM
SIC: 3442
Aluminum windows & curtain wall
sys.

GAGE PRDTS CO

625 Wanda Ave (48220)
Phone: 313 541-3824
Pres: Ray D Gage
V P: Donald R Dixon
Purch Agent: Maria Pearson
Emp: 75. Est: 1937.
Annual Sis: 10.1-50MM.
Rsch. facilities.
In House Computer: Basic Four
SIC: 2899
Industrial, organic chemicals, paints.

GALEN INC

Div Special Machine & Engrg
1450 Jarvis (48220)
Phone: 313 542-1310
Sis Mgr: Dean Thurman
Emp: 32.
SIC: 3559
O E M machinery builders.

GLENZER, J C CO INC

Div Hanson-Whitney Co
1515 Jarvis Ave (48220)
Phone: 313 398-4520
Pres: B G Tyrrell
V P: O R Holdeman
Gen Mgr: Phillip Schaal
Sis Mgr: John Subia
Purch Agent: Robert Antonian
Emp: 27. Est: 1917.
Sq. Ft: 20,000.
Annual Sis: 1.1-5MM.
Rsch. facilities. Export.
SIC: 3545 3541 3548
Tool holders, chucks, drills, thread-
ing tools.

GREER STEEL CO

1520 E 9 Mile Rd (48220)
Phone: 313 564-6208
Gen Mgr: G R Stucky
Emp: 24. Est: 1920.
Sq. Ft: 38,000.
Annual Sis: 1.1-5MM. Export.
SIC: 3399 3312 3316 5051
Cold rolled strip & spring steel.

HANSON CO

2605 Burdette (48220)
Phone: 313 543-3363
Pres: Maryanne R Hanson
Plant Mgr: John Marozzi
Emp: 25. Est: 1947.
Sq. Ft: 30,000. Rsch. facilities.
SIC: 3291
Grinding wheels.

HENNELLS INC/DIV SMILLIE, C
M

1200 Woodward Hgts Blvd
(48220) 313 545-4120
Emp: 27.
SIC: 3599 3495 3511 3622
3714
Cylinders, springs, hydraulic
boosters.

HOYT BRUMM & LINK INC

2305 Hilton (48220) 313 548-3355
Pres: Arthur F Link
Emp: 112. Est: 1969.
SIC: 3541 3498
Pipe fabricators.

I C C FABRICATING INC

23430 Woodward (48220)
Phone: 313 541-1534
Gen Mgr: Marlin Berg
Emp: 7. Est: 1978. Sq. Ft: 8,000.
SIC: 3079 3993
Fabricated plastic items, commercial
displays & automotive alter market
prds.

I E & E INDS INC

2421 Wolcott (48220)
Phone: 313 542-8255
Gen Mgr: M Kasprick
Emp: 35. Est: 1969.
Sq. Ft: 12,000.
SIC: 3679
Electronic sub assemblies & printed
circuit boards.

ILLINOIS/ECLIPSE

Div Illinois Tool Works Inc
1800 Bonner Ave (48220)
Phone: 313 544-7000
Gen Mgr: C Nilstoll
Chf Engr: Keith A Clapp
Emp: 150. Est: 1912. Import.
Export.
SIC: 3541
Metal cutting tools.

J B INDS INC

1460 Channing (48220)
Phone: 313 398-1975
Pres: Robert C. Gardiner
V P: Donald Gardiner
Emp: 33. Est: 1963.
Sq. Ft: 14,000.
SIC: 3544 3599
Tools & dies, jigs, fixtures, drilling &
boring svc.

J & S ELECTRIC CO INC

3285 Bermuda (48220)
Phone: 313 545-8132
Pres: James Struble
Emp: 11. Est: 1980. Sq. Ft: 4,000.
SIC: 3622 3813 3829 3728 3822
Indl controls.

JEFFERSON IRON WORKS INC

2441 Wolcott (48220)
Phone: 313 542-3554
Pres: George Blake
Emp: 3. Est: 1905. Sq. Ft: 9,000.
Annual Sis: 501M-1MM.
SIC: 3599
Planer work.

KAR NUT PRDTS CO

1525 Wanda (48220)
Phone: 313 541-7870
Pres: E. L. Nicolay, Jr.
Sis Mgr: Howard P. Phillips

Purch Agent: Alfred J Gow
Emp: 100. Est: 1933.
SIC: 2099
Processors of edible nuts.

KEN WOOD INDS INC

1894 9 Mile Rd E (48220)
Phone: 313 545-1583
Pres: John R Ureal
Emp: 12. Est: 1967.
Sq. Ft: 10,000.
Annual Sis: 501M-1MM.
SIC: 3544
Tools & dies.

KOPPY CORP

1530 Farrow (48220)
Phone: 313 541-4600
Pres: Herman Walker
V P: Shelton Sampson
Contr: D Prentiss
Emp: 80. Est: 1939.
Sq. Ft: 24,000
Annual Sis: 5.1-10MM. Export.
SIC: 3544 3494 3545 3559
Specialized tools, dies, fixtures &
machines.

L T V STEEL/TUBULAR DIV

965 Wanda (48220) 313 398-1600
Plant Engr: Jesse Fulton
Emp: 110. Est: 1929.
Sq. Ft: 225,000.
Annual Sis: Over 50MM. Export.
SIC: 3312 3844
E M T conduit & mechanical steel
tubing.

LANDIS MFG CO INC

2035 Hilton (48220) 313 545-8288
Pres: C L Brucker
Emp: 47. Est: 1940. Import. Export.
In House Computer: Hewlett Packard
SIC: 3714
Automotive parts.

LA SALLE FOUNDRY & MACHINE
CO

1221 Wordsworth (48220)
Phone: 313 548-5550
Owner(s): W. Bock
Emp: 21. Est: 1968.
Sq. Ft: 11,000.
Annual Sis: 501M-1MM.
SIC: 3361 3362
R W M A copper alloy, bronze & alu-
minum casting.

LATTNER BROS MACHINING INC

870 E Troy/Box 20158 (48220)
Phone: 313 398-1194
Pres: Bemie Lattner
V P: Buck Lattner
Emp: 28. Est: 1949.
Sq. Ft: 18,000.
Annual Sis: 1.1-5MM.
SIC: 3451
Automatic screw machine & cold
headed prds.

LOWRY & CROSS SCREW PRDTS
CO

728 E Breckenridge (48220)
Phone: 313 545-3131
Pres: J W Grady
Emp: 10. Est: 1943. Sq. Ft: 9,000.
Annual Sis: 101-250M.
SIC: 3451
Screw machine products.

M C C POWERS

530 Livernois (48220)
Phone: 313 547-7070
Branch Mgr: J Seguin
Emp: 50.
SIC: 3823 3812
Controls, control sys & regulators.

MACDERMID INC

1221 Farrow St (48220)
Phone: 313 399-3553
Pres: Arthur Lo Vetere
V P: Carl E Landon
Treas: William Buffing
Contr: Gerald F Renner
Gen Mgr: Jim Batozynski
Sis Mgr: James Snow
Emp: 55. Est: 1952.
Sq. Ft: 78,800.
Annual Sis: 1.1-5MM. Export.
SIC: 2899

Chem processes, eqpt for metal,
plastic finishing, printed circuits.

MARTINI DIE & ENGRG CO

1640 E 9 Mile Rd (48220)
Phone: 313 543-5020
Pres: Harry Hastilow
V P: Mary Hastilow
V P Mfg: Jerry Foster
Purch Agent: Kenneth Chalmers
Chf Engr: Max Davey
Emp: 85. Est: 1950.
Sq. Ft: 53,000.
Annual Sis: 5.1-10MM.
SIC: 3544 3469
Metal stampings, tool & die.

MASKING PRDTS INC

1921 Hilton (48220) 313 545-4568
Pres: George L Pliir
V P: Lloyd F Strittmatter
Emp: 13. Est: 1969. Sq. Ft: 8,000.
Annual Sis: 101-250M.
Rsch. facilities.
SIC: 3312 3444
Steel fabrication, stainless steel.

MC CORMICK, J S CO/STEVENS
DIV

810 Rosewood Ave (48220)
Phone: 313 548-8880
Div Supv: Augusta Zubres
Emp: 9. Rsch. facilities. Export.
SIC: 3559
Foundry facings.

MICHIGAN ACETYLENE PRDTS INC

Div Detroit Gas Prds Co
1250 Farrow (48220)
Phone: 313 547-0717
Pres: Tom Arndt
V P: B C Crowder
Emp: 6. Sq. Ft: 5,000.
Annual Sis: 501M-1MM
SIC: 2813
Acetylene gas.

MIDWEST WIRE PRDTS CO INC

800 Woodward Hts Blvd (48220)
Phone: 313 399-5100
Pres: Gerard Geralda
V P: W J Kane Jr
V P: Jerry Schallfranz
Purch Agent: Chris Wozniacki
Persnl Mgr: Joan Schilling
Emp: 125. Est: 1927.
Sq. Ft: 70,000.
Annual Sis: 1.1-5MM.
Rsch. facilities.
In House Computer: Radio Shack
Model: TR S-80
SIC: 3496 2542 3537
Material handling baskets, trays &
racks, forming wire.

NACHMAN/A LEGGETT & PLATT
CO

Div Leggett & Platt Inc
1111 E 8 Mile Rd (48220)
Phone: 313 544-7600
Pres: Harry M Cornell Jr
Gen Mgr: L V Trolle
Plant Supt: F Altier
Plant Mgr: W Ciupka
Emp: 38. Est: 1923.
Sq. Ft: 57,000.
SIC: 2515
Mattress & bed springs.

NEW YORK BAGEL BAKERY CO

23318 Woodward (48220)
Phone: 313 548-2580
Pres: Harvey Goldsmith
Emp: 39. Est: 1922. Sq. Ft: 5,000.
SIC: 2051
Bagels.

NORTH AMERICAN POLISH CORP

850 E Troy Ave (48220)
Phone: 313 548-8852
Owner(s): J Saker & N Dreisbach
Pres: James H Saker
V P: Glen R Dreisbach
Treas: Nancy Dreisbach
Mktg Mgr: Isobel Saker
Plant Mgr: Lovene P Saker
Est: 1899.
Annual Sis: Under 100M
SIC: 2842
Metal polishes: brass, copper,
chrome & stainless steel, line silver.